SGH-I317M

4 G LTE SMARTPHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

IC Notice

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

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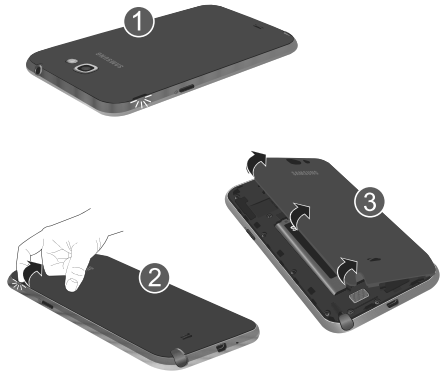
Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top of your phone (1).
2. Lift the cover up (2) and away from the phone (3).



Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

- Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
- Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.

Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).

Removing and Installing a Memory Card

You can use a microSD™ (SD) or microSDHC™ card to expand available memory space if you desire. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

Note: Your phone has been tested to support up to a 64GB memory card.

Installing a Memory Card

- Push the microSD card into the slot until it clicks (as shown).
  - Make sure the microSD's gold contact pins face downward and the card is securely inserted.

For more information on Memory Cards, see *"Memory Card"* on page 41.

Removing a Memory Card

1. Push on the memory card until it clicks and is released.
2. Grasp the memory card and remove it from the phone.

Installing the Back Cover

1. Place the battery cover onto the back of the phone (1) and press down (2).
2. Press along the edge of the back cover (3) until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charging a Battery

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Note: Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so will require additional charging time.

Using the Travel Charger

Important! Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

1. Plug the flat end of the Travel Charger into the Power/ Accessory Interface connector and the other end into a standard AC wall outlet.
2. When charging is finished, remove the flat end from the interface connector jack on the phone.

Warning! A touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Low Battery Indicator

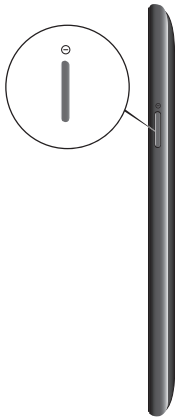
When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick

check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

Switching the Phone On or Off

1. Press and hold ⏻ until the phone switches on.



2. Swipe your finger across the screen to unlock the phone.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Changing Your Settings"* on page 109.

3. To switch off the phone, press and hold ⏻, until the **Device options** screen displays.
4. Tap **Power off** to switch off the phone.
5. At the **Power off** prompt, tap **OK**.

Locking and Unlocking the Touch Screen

1. Press ⏻ to lock the touch screen.
2. Press ⏻ again to display the lock screen then swipe your finger across the screen to unlock.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON and AllShare Play.

1. From the home screen, tap Apps ➔ **Settings** ➔ **Add account** ➔ **Samsung account**.

2. Tap **Create new account**.
3. Tap to select your country.
4. Tap **Terms and conditions** to read them and tap **OK**.
5. Tap the **I accept all the terms above** checkbox.
6. Tap **Privacy policy** and read the policy and tap **OK**.
7. Tap **Agree**.
8. Enter the required information and tap **Sign up**.
9. At the Welcome screen, tap **Continue**.
10. Follow the on-screen instructions to verify your email address and activate your account.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

1. From the Home screen, tap ➔ **Gmail** .
   The **Add a Google Account** screen displays.
2. Tap **New** to create a new Google account.

   – or –

   If you already have a Google account, tap **Existing** to sign in and add the account to your phone.
3. Follow the on-screen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

Retrieving your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From your computer, use an Internet browser and navigate to http://google.com/accounts.
2. Click on the **Can't access your account?** link.
3. Tap the **I don't know my password** radio button.
4. Enter your Email address and click **Continue**.
5. Follow the password recovery procedure.

Setting Up Your Voice Mail

1. From the Home screen, tap , then tap .
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap , then tap . You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password.

Troubleshooting

If your device has fatal errors, hangs up, or freezes, you may need to reset the device to regain functionality.

- If your device is frozen and unresponsive, press and hold the Power/Lock Key for 8 to 10 seconds.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

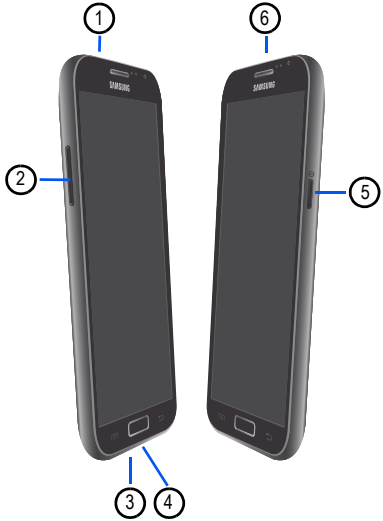
- 4G LTE network with 1.6 gigahertz quad-core processor
- Android v 4.1.1, Jelly Bean platform
- Touch screen provides quick response to a variety of in-phone menus and options including applications and seven home screens
- Virtual (on-screen) QWERTY keyboard
- Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi® technology
- USB tethering-capable
- Mobile hotspot capability
- Brilliant 5.5" HD SuperAMOLED plus display
- 8 Megapixel camera and camcorder with 2 Megapixel front facing camera
- GPS Navigation functionality provides real-time navigation
- HSDPA 7.2 mbps high speed download capability
- Up to 32 GB expandable memory slot
- 16 GB memory and 2 GB RAM
- Corporate and personal email
- Sync and update social network applications
- Over 450,000 Apps available to download via Google Play Store™
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple messaging options: text/picture messaging, and instant messaging with Google Talk™
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- AllShare™ Play to share your media content across DLNA certified devices

Front View of Your Phone

1. **Status light**: displays red when charging, green when fully charged, blue when powering up, and orange when a notification has arrived.
2. **External speaker**: allows you to hear the caller.
3. **Application icons**: you can place shortcuts to your favorite applications on the Home screen.
4. **Primary shortcuts**: allows quick access to important features such as Phone, Contacts, S Note, Messaging, and Apps. For more information, refer to *"Primary Shortcuts"* on page 17.
5. **Menu key**: allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
6. **Home key**: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display Task Manager. Quickly press twice to activate the S Voice application.
7. **Back key**: allows you step backwards when navigating a menu or web page.

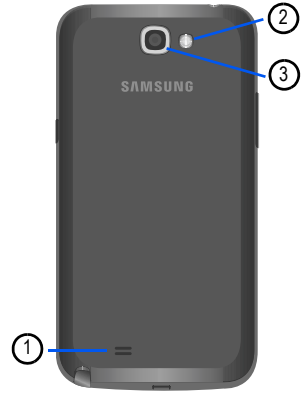
8. **Home screen indicator**: shows which Home screen is presently displayed.
9. **Google Quick Search bar**: a shortcut to Google Search that allows you to search for items on the internet.
10. **AccuWeather screen**: displays Time, Day, Date, Temperature and weather conditions for your area.
11. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
12. **Front facing camera**: allows you to take pictures of yourself when you set the camera shooting mode to Self shot.
13. **Proximity and light sensors**: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.

Side Views of Your Phone



1. **3.5mm Headset jack**: allows you to plug in headphones.
2. **Volume keys**: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press either volume key ( ) to mute the ring tone. Adjusts text size when reading a message or using the browser in the Apps folder.
3. **Microphone**: allows callers to hear you when you are speaking to them.
4. **Power/Accessory Interface connector**: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
5. **Power/Lock key**: ( ) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 30.
6. **Microphone**: used for noise cancellation and stereo recording.

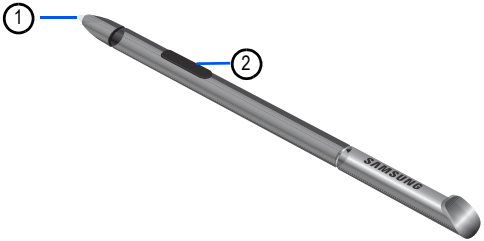
Rear View of Your Phone



1. **External speaker**: allows you to hear when the Speakerphone is turned on.
2. **Flash**: is used to provide additional light when taking pictures in dark places.
3. **Camera lens**: is used to take pictures and shoot videos.

S Pen

The S Pen is a stylus that assists you in performing various functions. By using the Pen button, you can minimize having to switch between touch and pen input.



1. **Stylus tip**: the tip of the S Pen is used for tapping the screen.
2. **Pen button**: by pressing the Pen button, you can add functionality to the S Pen. For more information, refer to *"Using the S Pen"* on page 14.

Rich S Pen Functionality

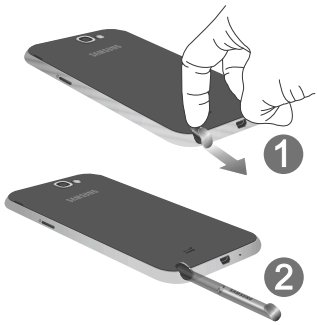
- **Air View**: Hover the S Pen over the screen to preview information.
- **Effectively express yourself**: Write/draw directly into an email or the calendar; annotate Word, Excel, PowerPoint, and PDF documents; capture your ideas in S Note; write a note on the back of a picture.
- **Quick Command**: Launch Quick Command to activate frequently used applications or actions. Press the S Pen button and then drag the S Pen up the screen to display the Quick Command window.
- **Easy Clip**: Instantly outline and crop anything on the screen and freely edit or share with others.

Removing the S Pen from your Phone

The S Pen is stored in your phone to make it easier to keep track of.

To remove the S Pen, follow these steps:

1. Use your fingernail or a sharp object to pull the end of the S Pen out of the phone (1).



2. Pull the S Pen out of the phone (2).

Using the S Pen

There are several different functions you can perform by using the S Pen.

Back Button

To move to a previous screen, hold the S Pen button and touch and drag the screen as shown in the illustration below. The previous screen displays.

Menu Button

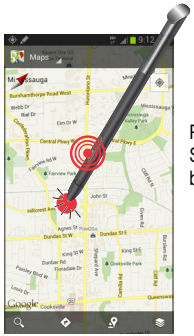
To display the menu from any screen, hold the S Pen button and touch and drag the screen as shown in the illustration below. The menu displays.

Launch S Note Lite

S Note Lite is a pop-up version of the S Note application that you can launch from any screen to take quick notes or jot down ideas. To open S Note Lite, hold the S Pen button and double-tap the screen. For more information, refer to *"S Note Lite"* on page 184.

Screen Capture

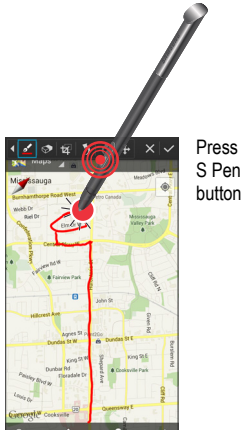
To take a screen capture, hold the S Pen button and press and hold the S Pen anywhere on the screen. Files are saved in the **My Files ➔ All Files ➔ sdcard0 ➔ Pictures ➔ Screenshots** folder.



Press S Pen button

Write on any Screen after Capture

To write on a screen capture, use the pen to draw or write. Files are saved in the **My Files ➔ All Files ➔ sdcard0 ➔ Pictures ➔ Screenshots ➔ IMG_edited** folder.



Press S Pen button

For information on using your S Pen with the S Memo application, see *"S Note"* on page 179

Air view

When you hold the S Pen near the screen, a pointer appears on the screen. Move the pointer to files, subjects, or options to preview the contents or view information in pop-up windows.

You can scroll through panels or lists by moving the pointer to an edge (top/bottom/left/right) of the screen.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 10.

Primary Shortcuts

There are four non-movable Application Shortcuts that appear at the bottom of all Home screens. The default shortcuts are:

- **Phone** for dialing a number.
- **Contacts** for managing your address book.
- **S Note** for creating and viewing Notes.
- **Messaging** for creating and viewing Messages.
- **Apps** for accessing the applications on your phone.

You can change the Phone, Contacts, S Note and Messaging application shortcuts to any icon that is displayed in the Apps menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 33.

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that Flight Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when your phone is in Blocking mode.

Displays when there is a system error or alert.

Displays when the S pen has been removed from the phone.

Displays when a call is in progress and you exit the call screen.

Displays when a call is on hold and you exit the call screen.

Displays when the speakerphone is on.

Displays when a call has been missed.

Displays when a call has been muted.

Displays when Call forwarding is set to Always forward. For more information, refer to *"Call forwarding"* on page 57.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Very Low – Shows your current battery only has between 5 and 15 percent power remaining.

Device Power Critical – Shows your current battery has less than 5 percent power remaining and will immediately shutdown.

Displays when your connection to an EDGE network is active.

Displays when your phone is communicating with the EDGE network.

Displays when your connection to a UTMS network is active.

Displays when your phone is communicating with a UTMS network.

Displays when your connection to an HSDPA, HSPA, or HSPA+ network is active.

Displays when your phone is communicating with the HSDPA, HSPA, or HSPA+ network.

Displays when your connection to a 4G LTE network is active.

Displays when your phone is communicating with the 4G LTE network.

Displays when your phone is downloading or has downloaded a file. It will blink green when it is installing.

Displays when the an outbound file transfer is in progress.

Displays when a Play Store download has completed.

Displays when updates are available for download.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *“S Planner”* on page 185.

Displays when you set an alarm to ring at a specified time. For more information, refer to *“Alarm”* on page 167.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays briefly when Bluetooth is on but is not connected to a Bluetooth device.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when your phone is connected to a PC using Kies air.

Displays when your phone is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare Play application.

Displays when GPS is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when your phone is connecting to the Device Management server when you first turn on your phone.

Displays when your device is connected being used to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare Play application.

Displays when a file is being uploaded or sync'd between your device and an external Web storage location.

Displays when the uploaded or transferred file was successfully delivered.

Displays when the keypad is active.

Displays when you have not yet set up a Samsung Account.

Displays when an emergency call is taking place.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 109.

Application Icons

The Apps menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Apps icons, see *"Navigating Through the Application Menus"* on page 30.

1. From the Home screen, tap , then tap one of the application icons.
2. Follow the on-screen instructions.
3. To return to the main Home screen, tap .

The following applications are available:

AllShare Play: AllShare Play allows your phone to stream photos, music and videos from its memory to other Digital Living Network Alliance (DLNA) certified devices. Your phone can also play digital content streamed from other DLNA certified devices. For more information, refer to *"AllShare Play"* on page 161.

Calculator: Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 165.

Camera: Use your 8.0 megapixel camera feature to produce photos and videos. For more information, refer to *"Camera"* on page 86.

ChatON: With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can also chat in groups. For more information, refer to *"ChatON"* on page 166.

Chrome: The Google Chrome app allows you to use the Google Chrome web browser on your device. For more information, refer to *"Chrome"* on page 166.

Clock: The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and setup a Desk Clock. For more information, refer to *"Clock"* on page 166.

Contacts: You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group. For more information, refer to *"Contacts and Your Address Book"* on page 66.

Downloads: The Downloads application allows you to manage all of your downloads from the Play Store and the Browser. For more information, refer to *"Downloads"* on page 169.

Dropbox: Dropbox synchronizes files between your computers, phones and even the Dropbox website. For more information, refer to *"Dropbox"* on page 170.

Email: Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 102.

Flipboard: This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. For more information, refer to *"Flipboard"* on page 170.

Gallery: The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 82.

Game Hub: Game Hub is a premium game service that lets you play, connect and share games on Samsung Android devices.

Gmail: Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 104.

Google: The Google Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, see *"Google Search Bar"* on page 26.

Google +: Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google+"* on page 105.

Group Cast: Group Cast is an extension of the AllShare Play application that allows many people to view content at the same time and interact with the content. For more information, refer to *"Group Cast"* on page 171.

Help: The Help app provides additional information on Learning the basics, Changing important settings, Use Key applications, and Help settings.

Internet: Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet"* on page 146.

Learning Hub: Samsung's Learning Hub provides textbooks and videos from 30 education providers across the world and a wide range of interactive features that assist learning, including automatic scoring, note-taking abilities and learning management options, facilitating a true self-guided learning environment.

Local: Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and more. You can also add your own locations. For more information, refer to *"Local"* on page 172.

Maps: Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends. For more information, refer to *"Maps"* on page 173.

Messaging: You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 95.

Messenger: Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to *"Messenger"* on page 106.

Music Player: Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 78.

My Files: My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. For more information, refer to *"My Files"* on page 175.

Navigation: Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination. For more information, refer to *"Navigation"* on page 176.

Paper Artist: Apply "Art Style" special effects such as Waterstyle and Pen + Pencil to your photos. For more information, refer to *"Paper Artist"* on page 177.

Phone: Allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 43.

Play Books: With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore. For more information, refer to *"Play Books"* on page 178.

Play Movies: With Google Play Movies, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time. For more information, refer to *"Play Movies"* on page 82.

Play Store: The Play Store provides access to downloadable applications and games to install on your phone. For more information, refer to *"Play Store"* on page 178.

Polaris Office 4.0: Polaris® Office 4.0 is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. For more information, refer to *"Polaris Office 4.0"* on page 179.

S Note: The S Note application allows you to create notes using the keypad, the S Pen tool, or both. You can add images, voice recordings, and text all in one place. For more information, refer to *"S Note"* on page 179.

S Planner: With the S Planner application, you can consult the calendar by day, week, month, year, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *"S Planner"* on page 185.

S Suggest: This application recommends popular applications when connected to a Wi-Fi network. All recommended applications are guaranteed to be compatible with your device. For more information, refer to *"S Suggest"* on page 187.

S Voice: With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc. For more information, refer to *"S Voice"* on page 187.

Samsung Apps: Samsung Apps allows you to easily download an abundance of useful applications to your phone.

Settings: This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 109.

Talk: Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 105.

Video Hub: Provides a platform for downloading and viewing movies, TV shows and other media.

Video Player: The Video Player application plays video files stored on your microSD card. For more information, refer to *"Video Player"* on page 81.

Voice Recorder: The Voice recorder allows you to record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 189.

Voice Search: Opens Google Voice Search. For more information, refer to *"Voice Search"* on page 190.

YouTube: YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format. For more information, refer to *"YouTube"* on page 191.

Tip: To open applications quickly, add the icons of frequently-used applications to the Home screen or to the folders you created. For details, see *"Customizing Your Home Screen"* on page 32.

Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main home screen, tap the Google Search bar

.

2. Use the on-screen keypad to enter the item you want to search for, then tap .
3. Tap to use Google Voice Search. For more information, refer to *"Voice Search"* on page 190.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has five home screens.

Command Keys

Menu Key

Press **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press **Home** to display the main Home screen. Press and hold to display recently used apps and access the Task manager.

Back Key

Press **Back** to return to the previous screen, option or step.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Panning

To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to:

- Move icons on your Home screens or Application Menus to another page.

For more information, refer to *"Motion"* on page 137.

Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

For more information, refer to *"Motion"* on page 137.

Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Using Gestures

By activating the various gesture features within the Motion Settings menu, you can access a variety of time saving functions.

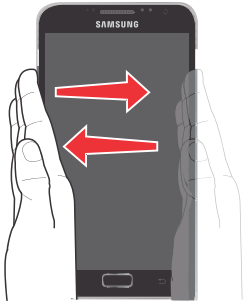
To activate motion:

1. From the Home screen, press and then tap **Settings** ➔ **Motion**.
2. Tap the ON/OFF icon located at the top of the screen to activate motion.
3. Tap the checkboxes located to the right of each motion option to activate the motions you wish. A checkmark will appear.

The following is a description of the available gestures:

- **Quick glance**: Once enable, you can check key information at a glance by reaching towards your device.
- **Direct call**: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.
- **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.
- **Double tap to top**: Once enabled, double tap the top of the device to be taken to the top of the current on-screen list.

- **Tilt to zoom**: Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the device back and forth to zoom in or out.
- **Pan to move icon**: Once enabled, touch and hold a desired application shortcut icon or widget on the screen. Once it detaches, move the device left or right to migrate it to a new location.
- **Pan to browse images**: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.
- **Shake to update**: Once enabled, shake your device to rescan for Bluetooth devices, rescan for Wi-Fi devices, Refresh a Web page, etc.
- **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.
- **Palm swipe to capture**: Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is then copied to the clipboard.



- **Palm touch to mute/pause**: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.

For more information, refer to *"Motion"* on page 137.

Locking and Unlocking the Phone

To unlock your phone:

1. Press the lock button located on the upper right side of your phone.
2. The lock screen will display with **Swipe screen to unlock** displayed at the bottom of the screen.
3. Swipe the touch screen in any direction.
4. The Home screen will display as shown above.

Note: There are several additional ways you can lock your screen. For more information, refer to *"Screen Lock"* on page 124.

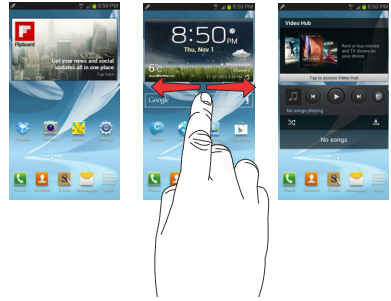
Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing .

Navigating Through the Home Screens

Your phone initially has five home screens but you can expand up to seven home screens. If you like, you can place different applications on each of the home screens.

- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with two Home screens on each side.



Navigating Through the Application Menus

Your phone initially has three Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap . The first Application Menu will be displayed.
2. Sweep the screen left or right to access the other two menus.

3. Tap one of the application icons.

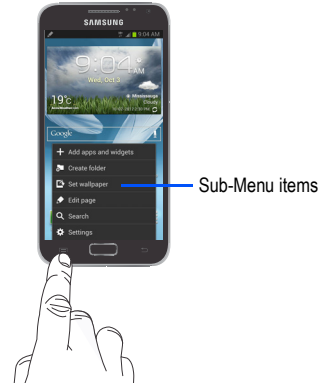
Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Internet.

To access a sub-menu:

1. Press . A sub-menu will appear at the bottom of the phone screen.
2. Tap an option.



Accessing Recently-Used Apps

1. Press and hold from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Widgets on the Home Screen
- Repositioning Widgets
- Creating Folders
- Changing the Wallpaper
- Adding and Deleting Home Screens

Creating Shortcuts

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

Note: To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

Adding a shortcut from the Apps Menu

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Tap to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.
6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Adding a shortcut via the Add to Home screen

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the Home screen.
4. Tap **Add to Home screen**.
5. Tap **Apps and widgets**, **Folder**, or **Page**.
6. Press and hold a shortcut from the available list and position it on the current screen.

Deleting a shortcut

1. Press [Home] to activate the main Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the Delete icon and release it.

   As you place the shortcut into the Trash, both items turn red.

Note: This action does not delete the shortcut, it just removes it from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

1. Press [Home] to activate the main Home screen.
2. Scroll through the Home screen to find the shortcut you want to add as the new primary short cut.
3. Touch and hold the new shortcut, then drag it over top of the primary shortcut you want to replace.

   The new primary shortcut will now appear on all Home screens and the shortcut that was replaced moves to the Applications menu.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an on-screen application.

Adding a Widget

1. Press [Home] to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. Tap **Apps and widgets**.
5. Tap the **Widgets** tab at the top of the screen.
6. Touch and hold an available Widget to position it on the current screen, then release the widget.

Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget over the Delete icon and release it.

   As you place the Widget into the Trash, both items turn red.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Apps Menu

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **View type**.
5. Tap **Customizable grid**. A green circle will appear next to the option.
6. Press and tap **Edit**.
7. Scroll through the list and locate the icon you wish to move.
8. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
9. Tap **Save**.
10. Press to return to the Home screen.

Creating Application Folders

You can create folders to hold collections of applications.

To create a folder follow these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **Edit**.
5. Touch and hold the first application that you would like to move to a folder.
6. Drag the icon to the icon.
7. Enter a name for the folder and tap **OK**.

   A folder is displayed in the original place of the application icon with the application icon displayed on top of it.
8. Additional applications can be dragged and dropped on top of the folder.
9. Drag the icon to App info to view information on the application.
10. Tap **Save**.

Adding a New Page to the Application Menu

You can add a new page to your application menu by following these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **Edit**.
5. Touch and hold the first application that you would like to move to a new page.
6. Drag the icon to Create page .

   The app will appear on a new page.

Changing the Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. From any Home screen, touch and hold on an empty area of the screen.

   The **Home screen** window is displayed.
2. Tap **Set wallpaper**.
3. Select the location where you would like to change the wallpaper. Tap **Home screen**, **Lock screen**, or **Home and lock screens**.
4. Tap one of the following options:
   - **Gallery**: select a wallpaper from photographs you have taken with your camera.
   - **Live wallpapers**: select an animated wallpaper. This option is not available for the Lock screen option.
   - **Wallpapers**: select from many still-life wallpapers.
5. Select a wallpaper and tap **Done** to confirm or tap **Cancel** to cancel the change.

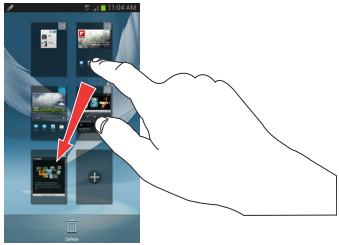
Moving Home Screens

Your phone comes with seven Home screens. You can arrange the screens in any order that you want.

To move a Home screen, follow these steps:

1. Press to activate the main Home screen.
2. Press and tap **Edit page**.

3. Touch and hold the Home screen you want to move.



4. Drag it to the location that you would like to place it.

   When you move a Home screen, the other Home screens will be re-ordered automatically.

5. Press Home to return to the main Home screen.

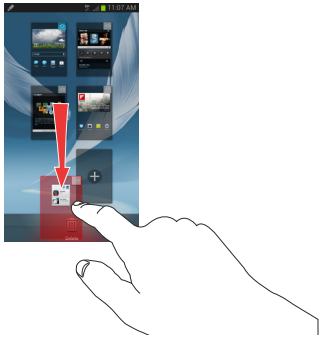
Adding and Deleting Home Screens

You can add and delete Home screens. You can have up to seven home screens.

To delete a Home screen, follow these steps:

1. Press Home to activate the main Home screen.
2. Press Menu and tap **Edit page**.
3. Touch and hold the Home screen you want to delete.

4. Drag it to the trash can located at the bottom of the screen.



5. If there are items on the Home screen that you want to delete, the **Remove home screen page** prompt is displayed.
6. Tap **OK** to delete the page and its contents, otherwise tap **Cancel**.
7. Press [ ] to return to the main Home screen.

To add a Home screen, follow these steps:

1. Press [ ] to activate the main Home screen.
2. Press [ ] and tap **Edit page**.
3. Touch and hold the Home screen that contains ⊕ and drag it to the new location.

Note: The ⊕ icon will only be displayed if a Home screen has previously been deleted.

4. Press [Home] to return to the main Home screen.

   You can now add items to your new Home screen.

Page Buddy

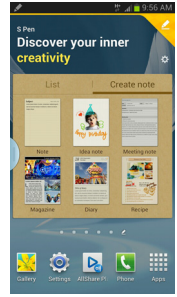
In addition to the Home screen pages, your device can display a contextual page when specific events occur: the S Pen is removed, earphones or a dock attached, or the device is roaming. The “page buddy” lets you perform specific tasks and changes the apps available in the favourites tray to recommended apps based on the event.

To modify which pages are shown:

1. From any Home screen, press [Menu] and tap **Settings** ➔ **Display** > **Page buddy**.
2. Touch and slide the Page buddy slider to the right to turn it ON [I].
3. Tap to activate or deactivate each option. When the feature is on, a green check mark will appear.
   - **S Pen page**: When the S Pen is removed, a contextual page will appear.
   - **Earphones page**: When a compatible headset is connected, a contextual page will appear.
   - **Docking page**: When connected to a compatible cradle, a contextual page will appear
   - **Roaming page**: When the device is roaming, a contextual page will appear.

   Touch Page buddy help for additional information.

In the example below, when the S Pen is detached, the following page appears and is made available from the home screen indicator:



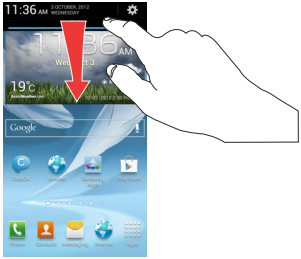
To access the page from any other home screen, tap [S Pen] on the home screen indicator.

You can modify the page, much like adding a widget or shortcut to the Home screen. The recommended apps in the favorites tray cannot be modified.

Notification Bar

The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

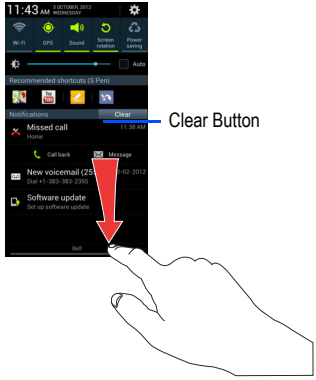
- On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



Clearing Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



2. Tap the **Clear** button.

   The notifications are cleared and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, this panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off.

The following functions can either be activated (green) or deactivated (gray): Wi-Fi, GPS, Sound, Screen rotation, Power saving, Blocking mode, Bluetooth, AllShare Cast and Sync.

Multi Window

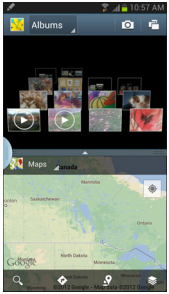
Use this feature to run two applications on the screen at the same time.

Note: • Only applications on the Multi Window panel can run.
• When launching two applications that contain multimedia files, sound from both files will be played.
• This feature may not be available depending on the region or service provider.

To use Multi Window:

1. Tap and hold . The Multi Window panel appears on the left side of the screen.

2. Select one application, and then drag another application to a new location on the screen.



3. Drag the bar between the application panels to adjust the size of the panels.

Memory Card

Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device's SD functionality.

Mounting the SD Card

To store photos, music, videos, and applications on an SD card, you must mount (install) the card prior to use. Mounting the SD card establishes a connection with your computer.

1. Insert the SD card into the SD card slot. For more information, refer to *"Removing and Installing a Memory Card"* on page 3.
2. Your SD card is scanned to see the available information on it.

Unmounting the SD card

Unmounting an SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, tap Apps ➔ **Settings** ➔ **Storage**.
2. Scroll to the bottom of the display and tap **Unmount SD card**.
3. Tap **OK**.

   For more information, refer to *"Removing and Installing a Memory Card"* on page 3.

SD card Available Memory Status

To view the memory allocation for your external SD card:

1. From the Home screen, tap Apps ➔ **Settings** ➔ **Storage**.

2. The available memory for Device and SD card displays under the **Total space** and **Available** headings.

Erasing Files from the SD card

You can erase all files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to *"Mounting the SD Card"* on page 41.
1. From the Home screen, tap → **Settings** → **Storage**.
2. Tap **Format SD card**.
3. At the **Format SD card** confirmation prompt, tap **Format SD card**.

Warning! Performing the next step erases all data stored on the SD card.

---

4. Tap **Erase everything** to format or press to cancel.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

Displaying Your Phone Number

- Tap → **Settings** → **About device** → **Status**. Your phone number is displayed in the **My phone number** field.

Making a Call

1. From the Home screen, tap and use the on-screen keypad to enter the number you wish to dial.
2. Tap to make the call.

Note: When you activate the **Auto redial** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 54.

Making an International Call

1. From the Home screen, tap , then touch and hold 0 +. The **+** character appears.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, tap until the desired numbers have been deleted.
3. Tap to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press to display the dialer sub-menu.
3. Tap **Add 2-sec pause** to add a two second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than two seconds by entering multiple two second pauses.

4. Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Tap to make the call.

For more information, refer to *"Adding Pauses to Contact Numbers"* on page 67.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, tap to erase a single character.
  - Press and hold to erase the entire string of numbers.

Ending a Call

- Tap the key.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Address Book, the associated name also displayed.

1. From the Home screen, tap .
2. Tap the **Logs** tab.

   A list of recent calls is displayed.
3. Tap the desired Contact to enter the **Details** page, then tap to make a call.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the **Insert SIM card to make calls** message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call without a SIM card

1. Tap **Emergency call** from the on-screen display to make an emergency call.
2. Enter 9-1-1 and tap . Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
3. Tap to exit this calling mode.

Making an Emergency Call with a SIM card

The Emergency calling mode makes redialing an emergency number a one-tap process. Before you can resume normal calling operations, you should first exit this mode.

1. From the Home screen, tap .
2. Enter the emergency number (911) and then tap .
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
   - After completing your emergency call, appears in the Notification area until you exit the Emergency calling mode.

Note: This mode can drain your battery power more rapidly than a normal calling mode.

4. At the Emergency Callback screen:
   - Tap to callback 911 with a single tap.
   - Touch and slide to the right to exit this mode.
   - Touch and slide to the left return to the Home screen. This allows you to access other applications while staying in this mode.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. From the Home screen, tap **Contacts** to display your Contacts List.
2. Press to display the Contacts List sub-menu.
3. Tap **Speed dial setting**.
4. The **Speed dial setting** screen displays showing the numbers 1 through 9. The number 1 is reserved for Voicemail.
5. Tap an unused number and the **Select contact** screen displays.
6. Select a contact to assign to the number. The selected contact number will display in the speed dial number box.
7. To remove a speed dial number or change the order, press to display the Speed dial setting sub-menu.
8. Tap **Change order** or **Remove**.
9. To make a call using Speed Dial, tap ➔ **Keypad** and from the Dialer, touch and hold the speed dial number.

Making a Call from the Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Address Book**.

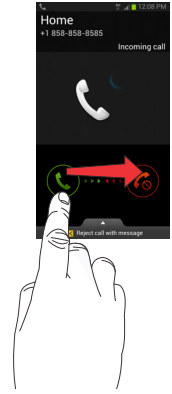
For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 68.

Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Address Book.

1. At the incoming call screen:
   - Touch and drag in any direction to answer the call.
   - Touch and drag in any direction to reject the call and send it to your voicemail.
   - Touch and drag the **Reject call with message** tab upward and tap a predefined text message to send to the caller.
     - I'm driving
     - I'm at the cinema
     - I'm in class
     - I'm in a meeting
     - Sorry, I'm busy. Call back later.
     - Tap **Create new message** to compose a new message.

   – or –



2. Tap End call to end the call.

Note: You can answer a call while using the Address Book or other menu feature. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by tapping → **Keypad**. From the Dialer and the Contacts screen, the following tabs are located at the top of your screen:

- **Keypad**: dials the current number entered using the on-screen keypad.
- **Logs**: displays a list of all dialed, received, and missed calls.
- **Favourites**: displays your contacts that you have marked as Favourites.
- **Contacts**: takes you to your Address Book where you can select a contact to call.

After you begin to enter numbers, the **Add to Contacts** option appears so you can save the Contact if needed.

Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. From the Home screen, tap .
2. Tap the **Logs** tab.

A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

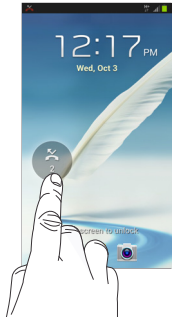
All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**:
- **Outgoing Calls**:
- **Missed Calls**:
- **Rejected Calls**:
- **Auto Rejected Calls**:

Viewing Missed Calls from the Lock Screen

The number of calls you have missed is displayed on the Home screen.

1. Touch the missed call icon with the number of missed calls on it and move it in any direction.



Note: If there is a voicemail sent by the same number, associated icons are displayed and can be selected.

2. The Call log is displayed. Missed calls are identified by the icon next to the number.

Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, tap → **Logs**.

   A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

2. Swipe the desired missed call to the right to call.

   – or –

   Swipe the desired missed call to the left to message.

Saving a Recent Call to your Address Book

1. From the Home screen, tap → **Logs**.

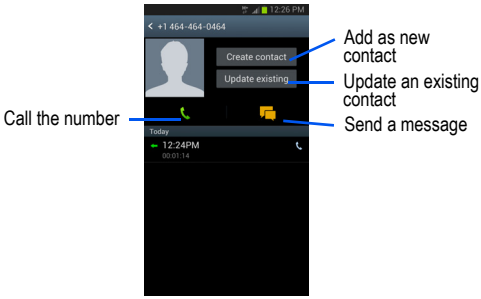
   A list of recent calls is displayed.

2. Tap the call you want to save to your Address Book.
3. The call detail page is displayed. Tap **Create contact** to add the call to your Address Book.

   The Create contact screen is displayed.

   – or –

   If you want to replace the number for an existing contact, tap **Update existing**.



4. Enter information into the various fields using the keypad.
5. Tap **Save** to save when you are finished.

For further details about the **Address Book** feature, see *"Adding a New Contact"* on page 66.

Sending a Message to a Recent Call

1. From the Home screen, tap ➔ **Logs**.
   A list of recent calls is displayed.
2. Swipe the entry you want to message to the left.
3. At the Message screen, tap the empty text field and use the on-screen keypad to type in a message.
4. When you are done with your message, tap to send.
   For more information, refer to *"Creating and Sending Messages"* on page 95.

Deleting a Call from the Call Log

1. From the Home screen, tap ➔ **Logs**.
   A list of recent calls is displayed.
2. Touch and hold the call you want to delete from the Call log.
3. Tap **Delete**.
4. At the **Delete** prompt, tap **OK**.
   The call is deleted from the Call log.

Adding a Call to the Reject List

1. From the Home screen, tap ➔ **Logs**.
   A list of recent calls is displayed.
2. Touch and hold the call you want to add to the Reject List.
3. Tap **Add to reject list**.

4. At the **Add to reject list** prompt, tap **OK**.

   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. From the Home screen, tap ➔ **Logs**.
2. Press ➔ **Call duration**.
3. The following times are displayed for Voice and Data:
   - **Last call**: shows the length of time for the last call.
   - **Dialed calls**: shows the total length of time for all calls made.
   - **Received calls**: shows the total length of time for all calls received.
   - **All calls**: shows the total length of time for all calls made and received.
4. You may reset these times to zero by pressing then tapping **Reset**.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by tapping a corresponding on-screen button.

- **Hold**: place the current active call on hold.
- **Add call**: displays the dialer so you can call another person.
- **Keypad**: displays the on-screen keypad, where you can enter another number.
- **End call**: terminates the call.
- **Speaker**: routes the phone's audio through either the speaker or through the earpiece.
  - Tap **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line appears under the Speaker button.

– Tap **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 53). The green line will disappear when Speaker is not activated.

- **Mute/Unmute** turn the onboard microphone either on or off.
  – Tap **Mute** during a call to mute the microphone. A green line will appear under the Mute button.
  – Tap **Mute** again to unmute the microphone. The green line will disappear when Mute is not activated.
- **Headset** connects to a Bluetooth headset.
  – Tap **Headset** during a call to activate a Bluetooth headset. A green line will appear under the Headset button.
  – Tap **Headset** again to de-activate the Bluetooth headset. The green line will disappear when the Headset is not activated.
- Press for more options:
  – **Contacts**: allows you to go to your Contact list.
  – **Message:** opens the Messaging application.
  – **S Note**: allows you to record a note during a call.
  – **Noise reduction on/off**: allows you to turn on the noise reduction feature when you are in a noisy area. Turn it Off when not needed to conserve battery power.
  – **My call sound**: assigns a sound equalizer preset for use during an active call. Sometimes you might need the sound to be softer, clearer, or optimized for one ear or the other.

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap **Hold** Hold. This action places the current caller on hold.
2. You can later reactivate this call by tapping **Unhold** Unhold.

To make a new call while you have a call in progress

1. Tap **Hold** Hold.
2. Tap **Add call** to display the dialer.
3. Enter the new number and tap .

   Once connected, the active call will appear in a large box at the top of your screen and the call on hold will appear in a smaller box in the middle of your screen.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap **Swap**.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call will appear in a green box.

2. Tap to end the currently active call.

To end a specific call

1. Tap **Swap** until the call you want to end appears in a green box.
2. Tap to end the specific call.
3. Tap to end the remaining call.

To answer a call while you have a call in progress

1. Tap and slide to the right to answer another call.
2. Tap **Putting "Name/Number" on hold** to put the first call on hold.

   – or –

   Tap **Ending call with "Name/Number"** to end the first call.
3. To switch between the two calls, tap **Swap**. This places the current call on hold and then activates the previous call. The active call will appear in a green box. Tap **Swap** again to switch back.

To end a call on hold

1. Tap to disconnect the active call.
2. The call on hold will now become the active call. Tap to end the call.

3-Way Calling (Multi-Party Calling)

The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The **Merge** option combines all of the calls you have established with your phone (both active and on hold). **Swap** places the current call on hold and then activates the previous call.

---

1. Tap and slide to the right to answer the call.
2. Tap and slide to the right to answer the next call.

3. Tap **Putting “Number” on hold** to put the first call on hold.
4. Join the first two callers into a single multi-party call by tapping **Merge** .
5. To temporarily leave the conference call, tap **Hold** .

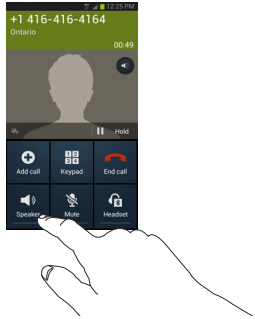
   To rejoin the conference call tap **Unhold** .
6. Tap to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap **Speaker** .

   The **Speaker** button now appears as and the speakerphone is activated.



2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, tap **Speaker** .

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To mute your phone during a call

1. Tap **Mute**

.

   The **Mute** button now appears as

and Mute is activated.

2. Tap **Mute**

to deactivate the Mute function and reactivate the microphone.

Bluetooth headset

1. Tap **Headset**

.
2. The phone will scan for your Bluetooth headset. When found, connect to the headset.

   The **Headset** button now appears as

and the Bluetooth headset is activated.
3. Tap **Headset**

to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Address Book

1. During the active call, press then tap **Contacts**.
2. Tap the Address Book entry.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 68.

Call Waiting

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network, and you must first activate the Call Waiting feature:

- From the Home screen, tap → → **Call settings** → **Additional settings** →**Call waiting**.

  You are notified of an incoming call by a call waiting tone.

Call Settings

To access the Call settings menu:

- From the Home screen, tap → → **Call settings**.

Call rejection

1. From the Call settings screen, tap **Call rejection**.
2. Tap the **OFF / ON** icon to turn Auto reject mode on .
3. Tap **Auto reject mode** and tap one of the following options:
   - **All numbers**: to reject all calls.
   - **Auto reject numbers**: to reject all calls in your Reject list.
4. Tap **Auto reject list**.
5. Tap Create to manually add numbers to the Reject list.
6. To automatically reject all calls that are not in your Contacts list, tap **Unknown** to create a checkmark.

Set reject messages

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Set reject messages**.
2. Tap to manually add a reject message.

   – or –

   Tap one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message if desired.
3. Tap **Save** to save the reject message.

Ringtones and keypad tones

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Ringtones and keypad tones**.
2. Tap **Device ringtone**, select a ringtone, and tap **OK**.
3. Tap **Device vibration**, select a vibration type, and tap **OK**.
4. Tap **Vibrate when ringing** to create a checkmark if you want your phone to vibrate when a call is incoming.
5. Tap **Keytones** to create a checkmark if you want tones to play when the keypad is pressed.

Call alert

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Call alert**.
2. Tap **Call vibrations** to enable your phone to vibrate when the called party answers the phone.
3. Tap **Call status tones** to set the sound settings during a call then tap **OK**.
4. Tap **Alerts on call** to turn off alarm and message notifications during a call.

Call answering/ending

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Call answering/ending**.
2. The following options are available:
   - **Answering key**: Tap this option to be able to accept incoming calls by pressing the Home key.
   - **The power key ends calls**: This option will allow you to end a call by pressing the power key without turning off the screen.

Auto screen off during calls

This option turns on the proximity sensor during calls so that when you hold the phone to your ear the screen turns off to save power.

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Auto screen off during calls** to create a checkmark and enable the feature.

Accessory settings for call

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Accessory settings for call**.
2. The following options are available:
   - **Automatic answering**: configures the device to automatically answer and incoming call when a headset is detected.
   - **Automatic answering timer**: configures the time delay before the device automatically answers an incoming call.
   - **Outgoing call conditions**: allows you to make calls even when the device is locked.

My call sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **My call sound**.
2. Tap **My call sound settings** and tap a selection (Soft sound, Clear sound, Personalized for left, Personalized for right
3. Tap **Personalize call sound** and follow the detailed on-screen instructions.

Use extra vol. for calls

This option allows you to see an extra volume button on the screen during calls.

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Use extra vol. for calls** to create a checkmark and enable the feature.

Increase volume in pocket

This option increases the ringtone volume when the proximity sensor detects that the device is enclosed in a pocket or a bag.

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Increase volume in pocket** to create a checkmark and enable the feature.

Call forwarding

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Call forwarding** ➔ **Voice call**.
2. Tap one of the following options:
   - **Always forward**: allows you to forward all voice calls.
   - **Forward when busy** allows you to forward voice calls to a designated number instead of your voice mail number if you are on another phone call.
   - **Forward when unanswered**: allows you to forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
   - **Forward when unreachable**: allows you to forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

Additional settings

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Additional settings**.
2. Tap one of the following options:
   - **Caller ID**: allows you to choose how your Caller ID will be displayed. Select Network default, Hide number, or Show number.
   - **Call barring:** allows automatically blocking All outgoing calls, International calls, Int'l calls except home, All incoming calls, or Incoming when roaming.
   - **Call waiting**: the network service informs you when someone is trying to reach you during another call. Tap to activate.
   - **Auto redial**: automatically redials the last number if the call was either cut off or was unable to connect. Tap to activate.
   - **Noise reduction**: allows you to suppress background noise from your side during calls.

- **Fixed Dialing Numbers**: allows you to restrict outgoing calls to a limited set of phone numbers.
- **Auto area code**: allows you to automatically prepend a specific area code to all outbound calls. Slide the slider to the on position.

Using Fixed Dialing Numbers

Enabling FDN

1. From the Home screen, tap → → **Call settings** → **Additional settings** → **Fixed dialing numbers**.
2. Tap **Enable FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**. FDN is enabled.
4. To enable FDN after it has been disabled, tap **Disable FDN**, enter your PIN2 code and tap **OK**.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.
The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

1. From the Home screen, tap → → **Call settings** → **Additional settings** → **Fixed dialing numbers**.
2. Tap **Change PIN2**.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

Note: Before you can manage an FDN list a list must be created.

---

1. From the Home screen, tap → → **Call settings** → **Additional settings** → **Fixed dialing numbers**.
2. Tap **FDN list**.
3. A list of all existing FDN numbers will be displayed.

Voicemail service

- From the Home screen, tap → → **Call settings** → **Voicemail service**.

Voicemail service provided by your carrier is the default.

Voicemail settings

You can view or modify your voicemail number from this menu.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Voicemail settings**.
2. Tap the **Voicemail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **OK**.
3. Tap **OK**.

Ringtone

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Ringtone**.
2. Tap a ringtone to hear it played.
3. Select a ringtone and tap **OK**.

Vibrate

This option allows you select vibration settings.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Vibrate**.
2. Tap **Always**, **Only in Silent mode**, or **Never**.

Accounts

SIP (Session Initiation Protocol) is an Internet protocol used for live communication sessions such as phone calls. This menu will allow you to set up your SIP accounts for Internet calling.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Accounts**.
2. Tap **Receive incoming calls** to allow calls to be received while using internet call. This will use more battery power.
3. Tap **Add account**.
4. Enter the required information. Contact your SIP account representative for the necessary information.

Use Internet calling

Your device can make calls over the Internet using VoIP (Voice over Internet Protocol) using a SIP account.

1. From the Home screen, tap → → **Call settings** → **Use Internet calling**.
2. Tap one of the following options:
   - **For all calls when mobile network available**: your phone will always use Internet calling when there is an available network.
   - **Only for Internet calls**: the phone will only use Internet calling when you specify directly.
   - **Ask for every call**: the phone will prompt you every time you make a call.

Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Text Input Methods

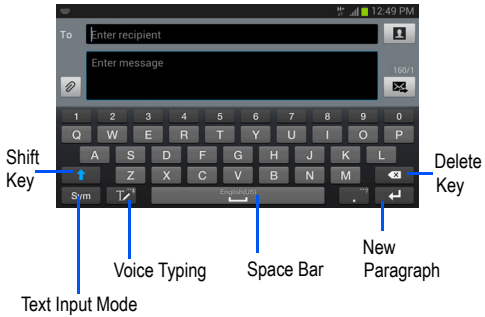
There are two text input methods available:

- **Samsung keyboard (default)**: Samsung's on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Google Voice typing**: allows you to enter text by speaking.

To change the input method, see *"Keyboards and Input Methods"* on page 131.

Entering Text Using the Samsung Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad will display.



Changing the Text Input Mode - Keypad

There are two main keypad layout keys that will change the on-screen keys within the QWERTY keypad.

The available Text Input modes are: **Sym** and **Abc**.

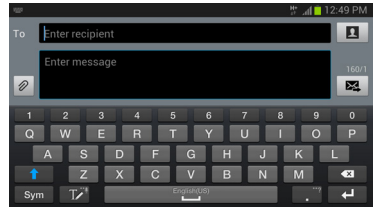
Sym **Symbol/Numeric Mode**: activates the symbol keys.

ABC **Abc Mode**: activates the default alphabet keys.

Note: When in **ABC** mode, the **Sym** button will appear. When in **Sym** mode, the **ABC** button will appear.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.
2. When you tap the **Enter message** field, the following screen displays:

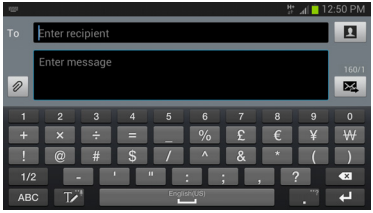


3. Tap the desired alphabetic characters.
4. The screen initially opens in ABC mode. After typing the first letter, the shift key ( ) will change to and following letters will be lowercase.
5. Tap to input another upper-case letter or tap twice to switch to all caps mode. The shift key will change to in all caps mode. All following letters will be uppercase until you tap the shift key again.

Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.
2. Tap **Sym** at the bottom of the screen. The following screen displays:

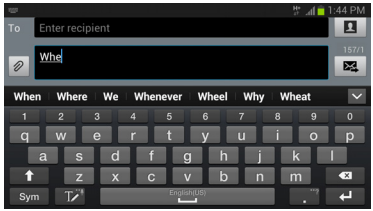


3. Tap the desired symbol characters.
4. Tap the **1/2** button to access additional symbols.
5. Tap **ABC** to return to Abc mode.

Predictive Text

By using the Predictive Text option, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard.

1. To turn Predictive Text on or off, tap → **Settings** →**Language and input**.
2. Tap the icon next to **Samsung keyboard**.
3. Tap the ON/OFF slider, located to the right of the **Predictive text** field, to .
4. In the text portion of the message screen, begin typing a word. A list of word options is displayed. Tap one of the words to replace the word that has already been typed or tap for more word choices.


1:44 PM
To
Enter recipient
Whe
157/1
When Where We Whenever Wheel Why Wheat
1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m ⌫
Sym
English(US)
↵

5. Continue typing your message. Tap to send the message or press for more options. For more information, refer to *"Creating and Sending Messages"* on page 95.

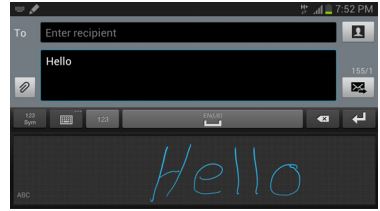
Note: You can also use Predictive Text mode in the portrait orientation.

Entering Text Using Handwriting

You can enter text simply by using your finger or the S Pen to write letters on your screen.

1. From the keypad, tap .
2. Use your finger tip or the S Pen to write out each character. You can print or use cursive.

You can write out your entire message using the Handwriting feature or tap to switch back to Samsung keyboard mode.



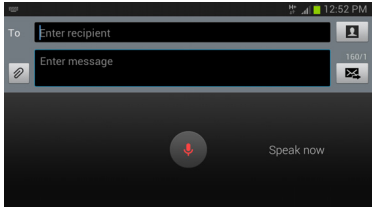
Samsung Keyboard Settings

For information on how you can configure your Samsung keyboard settings, see *"Samsung Keyboard settings"* on page 131.

Using the Google Voice Typing Feature

You can use your voice to enter text using the Google Voice typing feature.

1. From the keypad, touch the top of the screen and drag it down to display your notification panel.
2. Tap **Choose input method**.
3. Tap **Google voice typing**.



4. At the **Speak now** prompt, speak clearly and distinctly into the microphone.
5. The text is displayed in the message as you are speaking.
6. To pause typing, tap **Tap to pause**. To resume typing tap **Tap to speak**.

Note: The feature works best when you break your message down into smaller segments.

Section 5: Contacts and Your Address Book

This section allows you to manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

Adding a New Contact

Use the following procedure to add a new contact to your Address Book.

Saving a Number from the Home screen

1. From the Home screen, tap **Contacts** ➔ .
2. At the **Save contact to** prompt, tap **Phone**, **SIM**, or Account name.
3. Tap the image icon and assign a picture to the new entry by choosing one of three options:
   - **Image**: retrieve a previously stored image from your Gallery or from your My files folder and assign it to this entry. Tap an image to assign the image to the contact, then tap **Done**.
   - **Take picture**: use the camera to take a new picture and assign it to this entry, then tap **Done**.
   - **S Note**: create an image from an S Note. Tap a note, drag the bounding box to select the area you want, then tap **Done**.
4. Tap the **Name** field and use the on-screen keypad to enter the full name. For more information, refer to *"Entering Text"* on page 61.

   – or –

   Tap next to the **Name** field to display additional name fields.
5. Tap the **Phone** field.

   The numerical keypad is displayed.

   The **Mobile** button Mobile initially displays next to the **Phone number** field. If you want to add a phone number that is not a mobile number, tap the **Mobile** button and select from Mobile, Home, Work, Work Fax, Home Fax, Pager, Other, Custom (add your own label), or Callback.
6. Enter the phone number.

   Tap to add another Phone number field or tap to delete a field.
7. Tap the **Email address** field.

   The keypad is displayed.

The **Home** button Home initially displays next to the **Email address** field. If you want to add an Email address that is not a Home email address, tap the **Home** button and select from Home, Work, Other, or Custom (add your own label).

8. Enter the Email address.
   Tap ⊕ to add another Email address field or tap ⊖ to delete a field.
9. Tap the **Address** field.
   The keypad is displayed.
   The **Home** button Home initially displays next to the **Address** field. If you want to add an address that is not a Home address, tap the **Home** button and select from Home, Work, Other, or Custom (add your own label).
10. Enter the address.
    Tap ⊕ to add another address field or tap ⊖ to delete a field.
11. Tap any of the following fields that you want to add to your new contact:
    - **Events**: tap ⊕ to add a Birthday, Anniversary, Other, or Custom.
    - **Groups**: assign the contact to ICE - emergency contacts, Co-workers, Family, or Friends.
    - **Ringtone**: adds a field used to assign a message tone that will sound when messages are received from this contact. Choose between Default, Ringtones, or Go to My files.
    - **Vibration pattern**: allows you to set the specific type of vibration.
    - **Add another field**: tap this button to add another field such as Phonetic name, Organization, IM, Notes, Nickname, Website, Internet call, or Relationship.
12. Tap **Save** to save the new contact.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

To add a pause or a wait to a Contact:

1. From the Home screen, tap **Contacts**, and then tap the name or number to open the Contact.
2. Tap to edit.
3. Tap the phone number field.
4. Tap the screen at the position where the pause or wait needs to be added.
5. Tap Sym.
6. Tap **Pause** to add a two-second pause or tap **Wait** to add a wait, and use the keypad to enter the additional numbers. A pause will be displayed as a comma (,) and a wait will be displayed as a semi-colon (;).
7. Tap **Save** to save your changes, or tap **Cancel** to discard.

Editing an Existing Contact

When editing an existing contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap **Contacts**.
2. Press and hold the Contact that you want to edit.
3. Tap **Edit**.
4. Tap any of the fields to add, change, or delete information.
5. Tap **Save** to save the edited information.

Using Contacts

Dialing or Messaging from Address Book

You can store phone numbers and their corresponding names onto your SIM card and in the phone's onboard memory. The two locations are physically separate but are used as a single entity, called the Address Book.

Once you have stored phone numbers in the Address Book, you can dial them easily. You can also send messages.

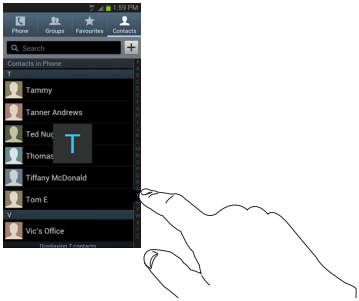
Finding an Address Book Entry

You can easily find a contact's information using the alphabetical list or by searching.

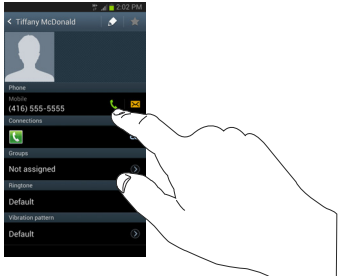
Note: Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

To select an entry from the alphabetical list:

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list (sorted alphabetically), tap a letter on the right side of the display to quickly jump to the contacts beginning with that letter.



3. Tap the contact you wish to call or message.
4. Tap the phone icon to make a phone call or tap the message icon to send a message.



For more information, refer to *"Creating and Sending Messages"* on page 95.

Tip: From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

To search for a contact:

1. From the Home screen, tap **Contacts** .

2. Tap the Search box and begin entering the name using the keyboard. As you type, matching contact names are highlighted.
3. When it is visible, tap the contact you wish to call or message.
4. Tap the phone icon to make a phone call or tap the message icon to send a message.

Joining Contacts

Joining Contact Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can join all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 71.

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the name you want to join to another entry). **Note**: typically this is the same contact with a different name or account information.
3. Press ➔ **Join contact**.

   The contact list is displayed.
4. Tap the second contact entry (the entry to which the first entry will be joined). The second contact is now joined with the first and the account information is merged into one screen.

Note: The information is still maintained in both entries, but displays in one record for easier viewing.

5. Tap **Connections** to view the contacts you joined.

Separate Joined Contact

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the contact from which you want to unlink an entry). **Note**: typically this is the same contact with a different name or account information.
3. Tap **Connections**.
4. Tap the minus sign next to entry you want to separate. The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the “default” number or entry.

1. From the Home screen, tap **Contacts** .
2. Tap a Contact name.
3. Press ➔ **Mark as default**. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact will be green.
4. To change the default contact, tap the radio button next to the entry that you want to be the default. The radio button turns green. Tap **Done**.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize data at a specific time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. From the Home screen, tap **Contacts** .
2. Press then tap **Accounts**.
3. Tap the **Auto sync app data** checkbox to create a checkmark and activate the feature.
4. Tap **OK** to synchronize all accounts.

   The accounts are synchronized.

Address Book Options

You can access Address Book options while at the main Address Book page or while in the details page for a specific entry.

Options in Address Book

1. From the Home screen, tap **Contacts** then press .
2. The following options are displayed:
   - **Delete:** allows you to delete 1 or more of your contacts.
   - **Import/Export**: allows you to move contacts to or from your memory card or USB storage. You can also send a namecard via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Merge with Samsung**: allows you to merge your contacts together with your Samsung account contacts.
   - **Merge with Google**: allows you to merge your contacts together with your Google account contacts.
   - **Accounts**: allows you to add and manage your Samsung, ChatON, Dropbox, Email, Facebook, Google, LDAP (Lightweight Directory Access Protocol), and Microsoft Exchange ActiveSync and Server accounts. Tap Add account and then follow the on-screen instructions.
   - **Speed dial setting**: allows you to set up speed-dialing. For more information, refer to *"Making a Call Using Speed Dial"* on page 45.
   - **Send email**: allows you to send an email using your Google account.
   - **Send message**: allows you to send a text or picture message.
   - **Contacts to display**: You can choose to display all of your contacts or only display contacts on your Phone, SIM, or contacts stored to other accounts. You can also tap Customized list to change other options on how your contacts are displayed.
   - **Settings**: allows you to choose set the following options:
     - **Only contacts with phones**: allows you to only display contacts that have phone numbers.
     - **Sort list by**: allows you to sort by Given name or Family name.

– **Display contacts by**: allows you to sort by Given name or Family name first.
– **Service numbers**: allows you to display or edit your service numbers.
– **Contact sharing settings**: allows you to send contacts via Bluetooth in the form of namecards.

Options at Selected Contact Screen

1. From the Home screen, tap **Contacts** .
2. Tap a contact and at the contact's display screen, press .
3. The following options are displayed:
   - **History**: allows you to view the phone and message history for the contact.
   - **Edit**: allows you to edit the contact's information.
   - **Delete**: allows you to delete the contact from your Address Book.
   - **Join contact**: allows you to join contacts with other contacts (only displays when contact is saved to SIM).
   - **Separate contact**: allows you to separate contacts that have been joined.
   - **Mark as default**: when you have multiple contacts linked together, you can mark one of them as default (only displays when contact is saved to the phone). For more information, refer to *"Marking a Contact as Default"* on page 71.
   - **Share namecard via**: allows you to send the contact's information via Bluetooth, ChatON, Dropbox, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Add to/Remove from reject list**: allows you to add or remove the contact from your reject list. If they call while being on the reject list, the call will be sent directly to voice mail.
   - **Print contact info**: allows you to print the contact's information to a Samsung printer using Wi-Fi.
   - **Add shortcut to home**: add a shortcut to this contact to the home screen.

Groups

Adding a Contact to a Group

1. From the Home screen, tap **Contacts** .
2. Press and hold a contact that you would like to add to a group.
3. Tap **Add to group**.
4. Tap a group entry.

5. Tap **Done**.

   The contact is added to the group.

Removing a Contact From a Group

1. From the Home screen, tap **Contacts** ➔ **Groups**.
2. Tap a group entry.
3. Press ➔ **Remove member**.
4. Tap all of the contacts you want to remove from this group. A green checkmark will appear next to their name.
5. Tap **Done**.

   The contacts are now removed from the group.

Creating a New Group

1. From the Home screen, tap **Contacts** ➔ **Groups** ➔ ➔ **Create**.
2. Tap the **Group name** field and use the on-screen keypad to enter a new group name. For more information, refer to *"Entering Text"* on page 61.
3. Tap **Group ringtone** to choose an audio file for assignment to this new group. Choose from **Default**, **Ringtones**, or **Go to My files**.
4. Tap **Vibration pattern** to choose an audio file for assignment to this new group.
5. Tap **Add member** to add contacts to the new group.
6. Tap each contact you want to add to create a checkmark. You can also tap **Select all**.
7. Tap **Done**.
8. Tap **Save** to save the new Group category.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap **Contacts** ➔ **Groups**.
2. Tap a group entry.
3. Press ➔ **Edit**.
4. Make modifications to the **Group name**, **Group ringtone**, or **Vibration pattern** fields.
5. Tap **Add member** to add more contacts to this group.
6. Tap **Done**.

7. Tap **Save** to save the edited Group category.

Address Book Favourites

Once you have stored phone numbers in the Address Book, you can add them to your Favourites list.

To view your Favoruites list:

- From the Home screen, tap **Contacts** → **Favourites** .

Adding Favourites to your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to add to your favorites list.
3. Tap **Add to favourites** on the displayed list.
4. A gold star will appear next to the contact in the Address Book.

Removing Favourites from your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to remove from your favourites list. Contacts in your Favourites list will have a gold star.
3. Tap **Remove from favourites** on the displayed list.
4. The gold star will no longer appear next to the contact in the Address Book.

Managing Address Book Contacts

You can copy, delete, and view the memory status for the Phone and SIM contacts on your phone.

Copying Contacts to the SIM Card

Note: When storing an Address Book entry into the SIM card, only the name, phone number, and email address are available as fields. Also, if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

1. From the Home screen, tap **Contacts** → → **Import/Export**.
2. Tap **Export to SIM card**.

   The phone then displays a list of your current phone contacts.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to the SIM card.

- Repeat this step for all individual entries you wish copied to the SIM or tap **Select all** to place a checkmark alongside all entries.

4. Tap **Done** to copy.
5. At the **Copy to SIM** display, tap **OK**.
   The selected numbers are copied to the SIM card.

Copying Contacts to the Phone

1. From the Home screen, tap **Contacts** ➔ ➔ **Import/Export**.
2. Tap **Import from SIM card**.
3. At the **Save contact to** prompt, tap on **Phone** or an account name that you would like to copy the contact to.
   The phone then displays a list of your current contacts stored on your SIM card.
4. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to your phone.
   - Repeat this step for all individual entries you wish copied to your phone or tap **Select all** to place a checkmark alongside all entries.
5. Tap **Done** to copy.
   The selected numbers are copied.

Deleting Contacts

1. From the Home screen, tap **Contacts** ➔ ➔ **Delete**. The phone displays a list of your current contacts. The location of each contact (Phone, SIM or other account) is indicated by an icon at the right side of the listing.
2. Tap each entry to be deleted to place a checkmark at the left side or tap **Select all** to place a checkmark alongside all entries.
3. Tap **Delete**.
4. At the **Delete** prompt, tap **OK**.
   The selected contacts are deleted.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. From the Home screen, tap **Contacts** ➔ ➔ **Settings**.

2. Tap **Service numbers**.
3. Scroll through the available numbers (if available).
4. Tap a number and the call is made.

Note: This menu is available only when your SIM card supports Service Dialing Numbers.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Music Player, Video Player, Play Movies, Gallery, Camera, and Camcorder.

Music Player

The Music Player is an application that can play music files. The Music Player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. Tap ➔ **Music Player** .
2. Tap a library category at the top of the screen (All, Playlists, Albums, Artists, Music square, or Folders) to view the available music files.
3. Scroll through the list of songs and tap an entry to begin playback.
4. The following controls are available:

Pause the song.

Start the song after being paused.

Press and hold to rewind the song. Tap to go to previous song.

Press and hold to fast-forward the song. Tap to go to next song.

Volume control.

Repeat one: repeats the currently playing song.

Repeat all: replays the current list when the list ends.

Play All: plays the current song list once.

Shuffle On: the current list of songs are randomly shuffled for playback.

Shuffle Off: songs play in order and are not shuffled.

Provides access to the Music square.

Lists the current playlist songs.

Displays the current song in the player window.

Provides access to the SoundAlive feature.

Music Player Options

To access additional options, follow these steps:

1. While in the Music Player, press .
2. The follow options are available:
   - **Add to quick list**: adds the current music file to the Quick list.
   - **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
   - **Share via**: allows you to share your music by using Bluetooth, Dropbox, Email, Gmail, Group Cast, Messaging, or Wi-Fi Direct.
   - **Add to playlist:** allows you to add the current music file to a selected playlist.
   - **Details**: allows you to view media info such as Artist, Title, Biography, and other information.
   - **Set as:** allows you to set a music file to Phone ringtone, Caller ringtone, or Alarm tone.
   - **Settings**: allows you to change your Music Player settings. For more information, refer to *"Music Player Settings"* on page 79.
   - **End**: allows you to end the Music Player app.

Music Player Settings

The Music Player Settings menu allows you to set preferences for the Music Player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From the Home screen, tap ➔ **Music Player** .
2. Press ➔ **Settings**.
3. Select one of the following settings:
   - **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.
   - **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
   - **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.
   - **Lyrics**: when activated, the lyrics of the song are displayed if available.

- **Music auto off**: when activated, music will automatically turn off after a set interval.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music Player options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, tap ➔ **Music Player** .
2. Tap the **Playlists** tab.
3. Press ➔ **Create playlist**.
4. Type a name for this playlist in the field and tap **OK**.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, tap ➔ **Music Player** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap **Add music**.
5. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, tap ➔ **Music Player** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to delete music.
4. Press ➔ **Remove**.
5. Tap the checkbox to the left of each track you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, tap ➔ **Music Player** .
2. Tap **Playlists**.
3. Press ➔ **Edit title**.
4. Tap a playlist name to edit.
5. Enter a new name for the playlist then tap **OK**.

Music square

Music square uses an intelligent algorithm to sort and categorize your music according to the way you experience it. It automatically analyzes your preferences and builds custom playlists containing similar styles of music. Select a square on the screen to play music with similar characteristics.

Video Player

The Video Player application plays video files stored on your phone or microSD card.

1. Tap → **Video Player** .
2. All videos that you have on your phone and memory card will be displayed. Tap the video that you want to play.
3. The video will begin to play.
4. The following video controls are available:

	Pause the video.
	Start the video after being paused.
	Press and hold to rewind the video. Tap to go to previous video.
	Press and hold to fast-forward the video. Tap to go to next video.
	Volume control.
	PIP (Picture In Picture) view. The video will be played in a small window so you can use your phone for other purposes while watching the video. Double-tap screen to return to previous size.
	Original size view. The video will be played in its original size.
	Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.
	Full-screen view. The entire screen is used, which may cause some minor distortion.

Note: The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

Play Movies

With Google Play Movies, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time.

1. From the Home screen, tap → **Play Movies** .
2. Log on to your Google account if you have not already done so.
3. Following the on-screen instructions for renting and viewing movies.
4. Tap the **MOVIES** tab to view movies you can rent.
5. Tap the **PERSONAL VIDEOS** tab to view movies you have on your phone or memory card.
6. Press for additional options.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

- Tap → **Gallery** .

Your pictures and videos are displayed in one of three possible modes, depending on the last mode used. Tap the mode selection icon at the top right corner of the screen to cycle through the three modes:

- **Grid view** : View albums (folders) arranged in a grid. Tap the Tap an Album and thumbnails of the contents will be displayed.
- **Timeline view** : view files as a receding timeline with the most recent files at the front.
- **Spiral view** : view files as a spiral timeline with the most recent files at the top.

You can also tap the List view box at the top of the screen to choose to display Albums, Time, Locations, Person, Group or Favourites.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using **My files** or other file management applications and try again. For more information, refer to *"My Files"* on page 175.

Viewing Pictures

1. Tap a thumbnail to view the picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

2. The following options are available at the top of the screen:
   - **Favourite:** add a gold star to the image.
   - **Share via** : allows you to share the picture via Bluetooth, ChatON, Dropbox, Email, Flipboard or Gmail.
   - **Delete** : allows you to delete the picture.
3. Press for additional options.
   - **Slideshow**: Start a slideshow with the images in the current folder.
   - **Face tag**: Register the faces in the image as face tags.
   - **Tag buddy**: Set the camera to display contextual tags.
   - **Add weather tag**: Add weather information to the image. Tap a selection and then tap **Save**.
   - **Add photo note**: Add a note to the image. Tap to edit the note.
   - **Copy to clipboard**: Copy the image to the clipboard.
   - **Rotate left**: Rotate counter-clockwise.
   - **Rotate right**: Rotate clockwise.
   - **Crop**: Resize the orange frame to crop and save the image in it.
   - **Edit**: Launch Photo editor or Paper Artist to edit the image.
   - **Set as**: Set the image as a wallpaper or a contact image.
   - **Buddy photo share**: Send the image to a person whose face is tagged in the image.
   - **Print**: Print via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.
   - **Rename**: Rename the file.
   - **Scan for nearby devices**: Search for devices that have media sharing activated.
   - **Details**: View image details.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap to play the video.

3. Press for additional options.
   For video player controls, see *"Video Player"* on page 81.

Using S Beam to Share Pictures

This feature (when activated via NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files.You can beam images and videos from your gallery, music files from your music player, and more.

1. From the Home screen, tap → **Settings** → **More settings.**
2. Tap the ON/OFF slider, located to the right of the NFC field, to turn NFC ON .
3. Tap the ON/OFF slider, located to the right of the S Beam field, to turn S Beam ON .
4. On the source device (containing the desired image or video), tap → **Gallery** .
5. Locate and tap the selected image to open it in the preview window.

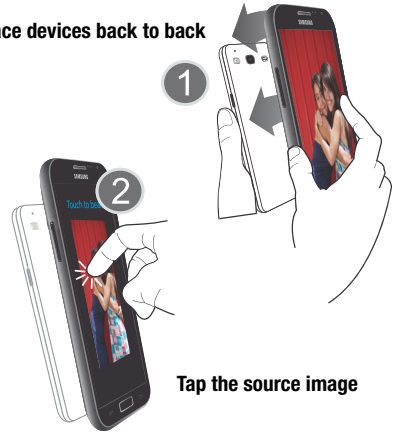
Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.

6. Place the two active NFC-enabled devices back to back to begin (1).

Note: If the Touch to beam screen does not appear on the source device:
- Pull them apart
- Verify the image is visible in the preview window on the source device (providing the file)
- Place them together again

7. From the Touch to beam screen, tap the reduced image preview to begin the transfer (2).

Place devices back to back



Tap the source image

8. When prompted, separate the two devices. After a few seconds (depending on file size) the recipient with then see the transferred file displayed on their screen.

To share multiple pictures via S Beam:

1. On the source device (containing the desired image or video), tap → **Gallery**.
2. Locate the selected folder.
3. Touch and hold the first image and place a checkmark on it and all desired images.
4. Place the two active NFC-enabled devices back to back to begin.
5. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer.
6. When prompted, separate the two devices.

Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 8 megapixel camera produces photos in JPEG format.

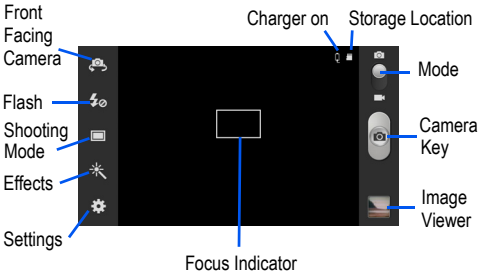
Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Using the Camera

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

1. From the main Home screen, tap → **Camera** to activate the camera mode.
2. If necessary, touch and drag the Camera mode button up to Camera Mode.
3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
4. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).
   – or –
   Pinch the screen to zoom out or pinch outwards to zoom in.
5. If desired, before taking the photo, you can tap on-screen icons to access various camera options and settings.
6. You can also tap the screen to move the focus to the area you touch.
7. Press the Camera key ( ) until the lens focuses (focus indicator turns green) then release the key to take the picture. The picture is automatically stored within your designated storage location. If a microSD card is not installed, all pictures are stored on the Phone. For more information, refer to *"Camera Options"* on page 87.



8. To view a picture after you have taken it, tap the Image Viewer icon.

   To zoom in or out on the image, pinch the screen outwards or inwards. You can magnify the picture up to x4.

9. Press to return to the viewfinder.

Camera Options

Options are represented by icons across both sides of the screen.

Camera / Camcorder Mode: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.

Self-portrait: allows you to activate the front facing camera so you can take pictures of yourself or video chat.

Flash: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode to one of the following:

- **Single shot**: takes a single photo and view it before returning to the shooting mode.
- **Best photo**: the camera takes eight successive photos and lets you choose which ones to save.

- **Best face**: Use this to take multiple group shots at the same time and combine them to create the best possible image. Press the Camera key ( ) to take multiple photos (hold the camera steady and remain still while taking photos). When Gallery opens, tap the yellow frame on each face, and choose the best individual pose for the subject. After choosing a pose for each individual, tap Save to merge the images into a single photo and save it.
- **Face detection**: double tap on a face to zoom in or out.
- **Panorama**: takes a landscape photo by combining several images. Press the Camera key to take the initial image and move the phone slowly in one direction. Each time the green frame is centred in the screen, an additional photo is taken automatically. Continue until 8 pictures are taken or press the Camera key to end the panorama and save the combined image.
- **Share shot**: uses Wi-Fi Direct to share your pictures quickly with your friends.
- **HDR**: High Dynamic Range mode takes three photos with different exposures and combines them to improve the contrast and detail.
- **Buddy photo share:** Set the device to recognize the face of a person that you have tagged in a photo and send it to that person. Face recognition may fail depending on the face angle, face size, skin colour, facial expression, light conditions, or accessories the subject is wearing.
- **Beauty**: adjusts the contrast to smooth facial features.
- **Smile shot**: the camera focuses on the face of your subject. Once the camera detects the person's smile, it takes the picture.
- **Low light**: allows you to take better pictures when the light is low.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Cold vintage, Warm vintage, Posterize, Solarize, Green point, Blue point, Red-yellow point, Washed out, Cartoonify, Black and white, Sepia and Negative.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Burst shot: Allows several photos to be captured in quick succession by oressing and holding the shutter button.

Self portrait: switches to the front camera so you can take pictures of yourself.

Flash: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Cold vintage, Warm vintage, Posterize, Solarize, Green point, Blue point, Red-yellow point, Washed out, Cartoonify, Black and white, Sepia and Negative.

Scene mode: allows you to optimize camera settings for certain types of scenes. Options include None, Portrait, Landscape, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Autumn Colour, Text, and Candlelight. Helpful tips are shown for each scene mode at the bottom of the display screen.

Exposure value: allows you to adjust the brightness level by moving the slider.

Focus mode: allows you to set this option to Auto focus or Macro. Use Macro mode to take close-up pictures.

Timer: allows you to set a timer for how long to wait before taking a picture. Options include: Off, 2 sec, 5 sec, and 10 sec.

Resolution: allows you to set the image size to either: 8M (3264x2448), W6M (3264x1836), 3.2M (2048x1536), W2.4M (2048x1152), W0.9M (1280x720), or 0.3M (640x480).

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

ISO: ISO determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.

Metering: allows you to set how the camera measures or meters the light source: Centre-weighted, Spot, or Matrix.

Outdoor visibility: increases the screen brightness to make it more visible in bright outdoor settings.

Auto contrast: provides a clear image even under backlight circumstances where intensity of illumination can vary excessively.

Guidelines: allows you to turn the guidelines On or Off.

Auto share shot: enables you to share pictures with other devices using NFC. For more information, refer to *"NFC"* **on page 156.**

Anti-Shake: reduces image blur due to movement of the camera.

GPS tag: allows you to turn GPS On or Off (also known as Geotagging). The location of where the picture is taken is attached to the picture. Before you can use the GPS tag (Geotagging), from the Home screen tap → **Settings** → **Location services** and tap **Use GPS satellites** to create a checkmark.

Contextual filename: adds GPS location information to the filename when saving.

Take photos using voice: you can take photos using the voice commands "Capture", "Shoot", "Smile" and "Cheese".

Save as flipped: allows you to take and save a mirror-image photo or video when using self-recording mode.

Image quality: allows you to set the image quality to: Superfine, Fine, or Normal.

Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected picture. Image viewer options are described in the following section. The last picture you took, will be displayed as a thumbnail in the Image viewer icon.

Viewing your Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Gallery"* on page 82.

Using the Camcorder

In addition to taking photos, the camera also functions as a camcorder that also allows you to record, view, and send videos.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the main Home screen, tap **Camera** to activate the camera mode.
2. If necessary, touch and drag the Camera mode button down to Camcorder Mode.
3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
4. Before you take a video, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the video up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
5. Tap the Video key ( ) to begin shooting video. A blinking red light and the recording time are displayed at the top of the screen while recording.
6. You can tap the screen to move the focus to the area you touch.
7. Tap to turn on auto focus. This will automatically focus on the middle of the screen.

8. To capture an image from the video while recording, tap . This feature is not available when the anti-shake feature is activated.
9. Tap the Video key ( ) again to stop the recording and save the video file to your Camera folder.
10. Once the file has been saved, tap the image viewer, then tap to play your video for review.
11. Press to return to the viewer.

Camcorder Options

Options are represented by icons across both sides of the screen.

Camera / Camcorder Mode: allows you to take a photos or videos. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.

Live Shooting: takes a photo during a video recording session in Camcorder mode. You can view the photo in your image viewer or Gallery.

Self portrait: allows you to activate the front facing camera so you can take videos of yourself or video chat.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location; Limit for MMS, which is limited by MMS size restrictions; Slow motion; or Fast motion.

Effects: allows you to change the color tone or apply special effects to the video. Options include: No effect, Cold vintage, Warm vintage, Posterize, Solarize, Green point, Blue point, Red-yellow point, Washed out, Cartoonify, Black and white, Sepia and Negative.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Self recording: allows you to set the front camera so you can take videos of yourself or video chat.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location; Limit for MMS, which is limited by MMS size restrictions; Slow motion; or Fast motion.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Cold vintage, Warm vintage, Posterize, Solarize, Green point, Blue point, Red-yellow point, Washed out, Cartoonify, Black and white, Sepia and Negative.

Exposure value: allows you to adjust the brightness level by moving the slider.

Timer: allows you to set a timer for how long to wait before taking a video. Options include: Off, 2 sec, 5 sec, and 10 sec.

Resolution: allows you to set the image size to either: 1920x1080, 1280x720, 720x480, 640x480, or 320x240.

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

Outdoor visibility: increases the screen brightness to make it more visible in bright outdoor settings.

Guidelines: allows you to turn the guidelines On or Off.

Anti-Shake: reduces image blur due to hand movement.

GPS tag: allows you to turn GPS On or Off (also known as Geotagging). The location of where the video is taken is attached to the video. Before you can use the GPS tag (Geotagging), from the Home screen tap → **Settings** → **Location services** and tap **Use GPS satellites** to create a checkmark.

Contextual filename: adds GPS location information to the filename when saving.

Save as flipped: allows you to take and save a mirror-image photo or video when using self-recording mode.

Video quality: allows you to set the image quality to: Superfine, Fine, or Normal.

Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected video. The last video taken is displayed as a thumbnail in the Image viewer icon.

Viewing your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video Player. For more information, refer to *"Gallery"* on page 82. Also, see *"Video Player"* on page 81.

Section 7: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- Google Talk
- Google+ and Messenger Messages
- ChatON

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type. For more information, refer to *"Indicator Icons"* on page 17.

Creating and Sending Messages

1. From the main Home screen, tap **Messaging** ➔ **Compose**.

Note: The main Home screen initially contains the **Messaging** icon. If you delete it, or if you want to access Messaging from another Home screen, tap **Apps** ➔ **Messaging**.

2. Tap on the **Enter recipient** field to manually enter a recipient or tap to select a recipient from your Contacts.

3. If adding a recipient from your Contacts, tap the contact to place a checkmark then tap **Done**. If adding a recipient from Groups, tap the group name to open the list of members, tap the required names or Select all to place a checkmark, then tap **Done**.

   The recipients are added to the recipient field.

Note: Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure.

4. Tap the **Enter message** field and use the on-screen keypad to enter a message. For more information, refer to *"Entering Text"* on page 61.
5. Review your message and tap **Send** .

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Message Options

Options before composing a message

1. From the main Home screen, tap **Messaging** .
2. Before composing a message, press to reveal additional messaging options:
   - **Search**: allows you to search through all of your messages for a certain word or string of words. Enter a search string in the Messaging Search window and tap .
   - **Delete threads**: allows you to delete any message thread. Select the messages to delete and a green checkmark will appear next to the message. Tap **Delete**.
   - **Draft messages**: opens the storage folder for draft messages.
   - **Scheduled messages**: opens the storage folder for scheduled messages.
   - **Locked messages**: opens the storage folder for locked messages.
   - **Spam messages**: opens the storage folder for received spam messages.
   - **Settings**: allows you to access Messaging settings. For more information, refer to *"Messaging Settings"* on page 100.

Options while composing a message

1. While composing a message, press to reveal additional messaging options.

- **Insert smiley**: allows you to add emoticons, such as a happy face to your message.
- **Add text**: allows you to copy text from your contacts, calendar, or from a memo to add to your message. This is a convenient feature for adding names, phone numbers, events, etc. to your message. For more information, refer to *"Adding Additional Text"* on page 98.
- **Preview**: preview message (only available for MMS messages).
- **Add to Contacts**: allows you to add the recipient to your Contacts list. This option only appears if the recipient is not already in your Contacts list.
- **View contact**: allows you to see information on the recipient. This option only appears if the recipient is in your Contacts list.
- **Add slide**: allows you to add a new page to the message.
- **Add subject:** allows you to add a subject line to the message
- **Scheduled message:** lets you schedule a time to send the message.
- **Discard**: allows you to delete the message without saving.

Adding attachments to a message

To add an attachment to your message, tap and select one of the following options:

- **Images**: allows you to tap an existing image from your Pictures list to add it to your message.
- **Take picture**: allows you to temporarily exit the message, take a photo with phone's camera, and then add it to your message by tapping **Save**.
- **Video**: allows you to choose an existing video from the Videos list, then add it to your message.
- **Record video**: allows you to temporarily exit the message, record a video clip using the phone's camera, and then add it to your message by tapping **Save**.
- **Audio**: allows you to choose an existing audio file from the Audio list, then add it to your message by tapping the circle to the right of the audio so that it turns green, then tapping **Done**.
- **Record audio**: allows you to temporarily exit the message and record an audio clip using the phone's microphone. It is then automatically attached to the message.
- **S Note**: allows you to add an S Memo that you have created.

- **S Planner**: allows you to add an event from your calendar. Select the desired event and tap **Done**.
- **Location**: allows you to attach a thumbnail of a map showing your location.
- **Contacts**: allows you to tap on an existing Address Book entry, then add it to your message by tapping **Done**.

Adding Additional Text

You can copy text such as names, phone numbers, and events from your Contacts, Calendar or a Memo.

1. While composing a message, press → **Add text**.
2. At the Add text screen, select one of the following:
   - **S Note**: allows you to insert text from an existing S Note.
   - **S Planner**: allows you to add the name, date, and time of a calendar event to your message.
   - **Location**: allows you to add an address and the link to the location on Google Maps.
   - **Contacts**: allows you to add the name and phone number of any of your contacts to your message.
   - Text templates: allows you to add pre-defined text such as "I'm late, but I'll be there in minutes.".

   The information is added to your message.

Viewing New Received Messages

1. When you receive a new message, the new message icon will appear at the top of your screen.
2. Open the Notification Bar and select the message. For more information, refer to *"Notification Bar"* on page 39.

   – or –

   From the main Home screen, tap **Messaging** then tap the message to view it.

   The selected message appears in the display.
3. To play a multimedia message, tap .
   - To pause playback of the multimedia message, tap .
4. To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To open a threaded message follow these steps:

1. From the main Home screen, tap **Messaging** . Tap the message thread you want to view.
2. Touch and hold the message thread to display the following options:
   - **View contact**: displays the contact's information. This option only displays if the sender is in your Contacts list.
   - **Add to Contacts**: displays the Contacts information screen. This option only displays if the sender is not in your Contacts list.
   - **Delete thread**: displays a confirmation dialog box that when pressed, deletes the entire thread.
   - **Register as spam number**: registers the sender's number as a spam number and automatically diverts messages to the Spam messages folder.
   - **Unregister as spam number**: allows you to unregister a number from the spam number list. This option only appears if the number was previously registered as spam.

Deleting Messages

Deleting a single message

1. From the main Home screen, tap **Messaging** .
2. Tap a message thread, touch and hold a message, then tap **Delete message**.
3. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Deleting a single message thread

1. From the main Home screen, tap **Messaging** .
2. Touch and hold a message thread, then tap **Delete thread**.
3. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Deleting multiple message threads

1. From the main Home screen, tap **Messaging** .
2. Press ➔ **Delete threads**.
3. Tap each message you want to delete. A checkmark will appear beside each message you select.
4. Tap **Delete**.
5. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Message Search

You can search through your messages by using the Message Search feature.

1. From the main Home screen, tap **Messaging** .
2. Tap → **Search**.
3. Use the on-screen keypad to enter a word or phrase to search for, then tap .
4. All messages that contain the search string you entered are displayed.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voice mails, and Push messages.

1. From the main Home screen, tap **Messaging** → → **Settings**.
2. The following Messaging settings are available:

Display:

- **Bubble style**: allows you to choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.
- **Background style**: allows you to choose from several background styles for your messages.
- **Split view**: enable split view when the phone is turned sideways to landscape mode.
- **Use the volume key**: allows you to change the text size by using the up or down volume keys.

General settings:

- **Delete old messages**: deletes old messages when the limit is reached, rather than having them overwritten.
- **Text message limit**: allows you to set a limit on how many text messages can be in one conversation.
- **Multimedia message limit**: allows you to set a limit on how many multimedia messages can be in one conversation.
- **Text templates**: allows you to edit or add new text templates to use in your messaging.

Text message (SMS) settings:

- **Delivery reports:** request a delivery report for each message you send.
- **Manage SIM card messages**: allows you to manage the messages that you have stored on your SIM card.
- **Message centre**: displays the number of your Message centre where your messages reside while the system is attempting to deliver them.

- **Input mode**: allows you to set the input mode for your text messages. Choose between GSM Alphabet, Unicode, or Automatic.

Multimedia message (MMS) settings:

- **Delivery reports:** request a delivery report for each message you send.
- **Read reports:** request a read report for each message you send.
- **Auto-retrieve**: allows the message system to retrieve messages automatically.
- **Creation mode**: allows you to select the creation mode, Free, Restricted, or Warning.
  - **Restricted**: you can only create and submit messages with content belonging to the Core MM Content Domain.
  - **Warning**: the phone will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain.
  - **Free**: you may add any content to the message.
- **MMS alert**: displays an alert when the message creation mode changes to MMS.

Push message settings:

- **Push messages**: allows you to receive push messages from the network.
- **Service loading:** Select Always, Prompt or Never.

Cell Broadcast (CB) settings:

- **CB activation**: allows you to receive Cell Broadcast (CB) messages.
- **Channel configuration**: allows you to set up the channel that you will receive CB messages on.

Notifications settings:

- **Notifications**: allows you to see message notifications on your status bar.
- **Select ringtone**: allows you to set the ringtone for your message notifications.
- **Vibrate**: phone vibrates when you receive messages.
- **Message alert repetition**: set how often you are alerted to new messages (Once, Every 2 minutes, Every 10 minutes).
- **Preview message**: show a preview of received messages on the status bar.

Signature settings:

- **Add signature**: automatically add a signature to the bottom of each message you send.
- **Signature text**: enter or edit the text for your message signature.

Spam message settings:

- **Spam settings**: allows you to see message notifications on your status bar.
- **Register number as spam**: messages received from registered numbers are blocked (automatically sent to the Spam messages folder).
- **Register phrase as spam**: register phrases that will cause messages to be blocked (automatically sent to the Spam messages folder).
- **Block unknown senders**: block messages from senders that are not in your contact list.

Using Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email.

Creating an Email Account

1. From the Home screen, tap ➔ **Email** .

The Set up email screen is displayed.

2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. Tap **Next**.
6. At the **Account options** screen, tap the **Peak schedule** drop-down list box and select how often you would like your email to be checked during peak times. Tap the **Off-peak schedule** drop-down list box and select how often you would like your email to be checked during off-peak times.
7. Tap any of the other options you would like to create a checkmark.
8. Tap **Next**.
9. Enter a name for this email account (optional).
10. Tap **Done**.

Creating a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. From the Home screen, tap ➔ **Email** .

The Set up email screen is displayed.

2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. Tap **Manual setup**.
6. Tap the **Microsoft Exchange ActiveSync** field.
7. Enter all the Exchange server information, Domain, User name and Password, then tap **Next**.
8. At the **Activation** prompt, tap **OK**.

   The **Account options** screen is displayed.
9. Enter the desired information in the various fields, then tap **Next**.
10. Enter a name for this account (optional) and tap **Done**.

    Wait for the Inbox to synchronize before use.
11. Press ➔ **Settings** to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Home screen, tap ➔ **Email** .

   Your Email screen displays showing your emails from the active account.
2. Press ➔ **Settings**.
3. Tap to add another email account.
4. Enter the information required to set up another account. For more information, refer to *“Creating an Email Account”* on page 102.

Switching Between Email Accounts

1. From the Home screen, tap ➔ **Email** .

   Your Email screen displays showing your emails from the active account.
2. Tap the Inbox button at the top of your screen that displays the name assigned to your active email account.

   Your Email accounts screen is displayed.
3. Tap the Email account you would like to switch to. You can also select **Combined view** to display email messages from all accounts.
4. The new Email account is displayed.

Using Gmail

Gmail is Google's web-based email. When you first set up the phone, Gmail is configured. Depending on the synchronization settings, Gmail is automatically synchronized with your Gmail account.

Signing into Your Gmail

Note: You must sign in to your Gmail account in order to access Gmail.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 7.
2. From the Home screen, tap → **Gmail**.
3. Follow the on-screen instructions.
   The Inbox loads conversations and email.

Creating a Gmail Message

1. From the Gmail Inbox, tap at the bottom of the screen to create a new message.
2. Enter the recipients Email address in the **To** field. Separate multiple recipient email addresses with a comma.
3. Tap and select **Add Cc/Bcc** to add a carbon or blind copy.
4. Enter the subject of this message in the **Subject** field.
5. Tap the **Compose email** field and begin composing your message.
6. Tap to send.

Viewing a Gmail Message

1. From the Gmail Inbox, tap a message to view it.
2. The following options are available at the bottom of the screen after a message has been selected:
   - **Archive**: archives the selected message.
   - **Delete**: deletes the message.
   - **Labels**: allows you to attach labels to a message. This is similar to putting it in a folder.
   - **Mark Unread**: after reading a message, marks as unread.
   - **Newer**: swipe your screen to the right to see newer messages.
   - **Older**: swipe your screen to the left to see older messages.
3. Press to select one of the following additional options:

- **Mark important/not important**: allows you to set the importance of a message.
- **Mute**: allows you to mute the sound in a message if applicable.
- **Report spam**: allows you to report a message as spam. Tap the UNDO option if you change your mind.
- **Settings**: displays Email settings that you can modify.
- **Help**: displays the Google.com webpage so you can search the web for help.
- **Send feedback**: allows you to send feedback or report a problem.

Other Gmail Options

1. Tap at the bottom of the screen to refresh the screen, send and receive new emails, and synchronize your email with the Gmail account.
2. Tap at the bottom of the screen to set up and manage Labels for your Gmail messages.
3. Tap at the bottom of the screen to search through your Gmail messages.

Google Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

1. Log on to your Google account if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 7.
2. From the Home screen, tap → **Talk** talk.
3. Begin using Google Talk.
4. Press → **Help** for more information on using Google Talk.

Note: The Network confirms your login and processes. This could take up to 5 minutes to complete.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging

with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account.
2. From the Home screen, tap ➔ **Google+** .
3. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.
4. Follow the on-screen instructions to use Google+.
5. Visit www.google.com/mobile/+/ for more information.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

1. Sign on to your Google account.
2. From the Home screen, tap ➔ **Messenger** .

   – or –

   From the Google+ application, select **Messenger**.
3. Tap **Learn more** for more detailed information.
4. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.
5. At the **Messenger** screen, tap to start a new message.
6. In the upper text field, enter a name, email address, or circle.
7. In the bottom message field, enter a message then tap .

ChatON

Samsung ChatON provides a global mobile communication service where you can chat with two or more “buddies” via a group chat. Share things such as pictures, videos, animation messages (“Scribbles”), audio, Contacts, Calendar entries, and Location information.

Important! Your Samsung account manages the access information (username/password) to several applications, such as AllShare Play, ChatON, and Media Hub.

For more information, visit: https://web.samsungchaton.com.

Registering with the Service

1. Confirm you have already logged in to your Samsung account.

Note: There should be no (**Samsung account** icon) in the Notifications area of the screen.

1. From the Home screen, tap → **ChatON**.
2. Read the on-screen notification about data charges and tap **OK**.
3. Select either the **Terms and conditions** or **Privacy policy** and read the on-screen information. Tap **Accept** to continue.
4. Select a country code, enter your current phone number to register with the service, and tap **Done**.
5. Choose to receive the verification code via either **SMS** (text message) or **Voice** to your device.

Note: If you opt to receive the verification code via SMS, this information is sent directly to your device. Once received, the **Verification** field is automatically filled in.

6. Enter your real name and tap **OK**.

Adding Your First Chat On Buddy

1. From the Home screen, tap → **ChatON**.
2. Tap **Buddies** → and choose a search method.
   - **Suggestions**: to view suggestions from ChatON.
   - **Tell friends**: send a download link to friends so they can install ChatON.
   - **Phone number**: to search by country code and phone number.
   - **Search by ID**: to search by using a known Samsung account ID.
3. If you are searching for someone, enter the information and tap . Once the recipient is matched, their entry appears in the **Results** area.
4. Tap (**Add buddy**) and confirm your new buddy appears in the Buddies tab.

Note: For more information, tap **Settings** → **General** → **Help**.

Using ChatON for Chatting

1. From the Home screen, tap → **ChatON**.

2. Tap **Chats** ➔ **Start Chat**, select one or more buddies and tap .
3. Enter your message using the on-screen text entry method.
4. Tap Send to send the message.

To reply to a ChatON message:

1. While the chat session is active, tap the **Enter message** field and then type your reply message.
2. Compose your reply.
   Your texts are colored Blue and your buddy's messages are white.
3. Tap Send to deliver your reply.

Deleting a single message bubble

1. From the Home screen, tap ➔ **ChatON** .
2. Launch a chat session to reveal the message string.
3. Touch and hold a message bubble, then select **Delete**.

Section 8: Changing Your Settings

This section explains the settings used for customizing your device.

Accessing Settings

- From any Home screen, tap → **Settings** .

  – or –

  From any Home screen, press → **Settings**.

  The Settings screen displays.

Wi-Fi Settings

This section describes the Wi-Fi settings. For information on how to use Wi-Fi, see *"Wi-Fi"* on page 152.

Activating Wi-Fi

1. From the Home screen, tap → **Settings** → **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .
3. Tap **Scan** to scan for available Wi-Fi networks. For more information, refer to *"Connect to a Wi-Fi Network"* on page 153.

WPS

You can connect to a Wi-Fi network using WPS (Wi-Fi Protected Setup).

- **WPS push button**: Connect to a secured Wi-Fi network using a WPS button.
- **WPS PIN entry**: Connect to a secured Wi-Fi network using a WPS PIN.

For more information, refer to *"Connect to a Wi-Fi network using a Wi-Fi Protected Setup (WPS)"* on page 153.

Advanced Wi-Fi Settings

The advanced Wi-Fi settings allow you to set up and manage wireless access points.

1. From the Home screen, tap → **Settings** → **Wi-Fi**.
2. Tap → **Advanced**.

   The following options are available:

   - **Network notification**: alerts you when a new WAP is available.
   - **Keep Wi-Fi on during sleep**: allows you to specify when to disconnect from Wi-Fi.

- **Check for Internet service**: Checks if Wi-Fi internet service is available when connected to an AP (Access Point).
- **MAC address**: view your device's MAC address, required when connecting to some secured networks (not configurable).
- **IP address**: view your device's IP address.

Activating Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

1. From the Home screen, tap ➔ **Settings** ➔ **Wi-Fi** ➔ **Wi-Fi Direct**.
2. Tap the **OFF / ON** icon to turn Wi-Fi Direct on . For more information, refer to *"Wi-Fi Direct"* on page 155.

Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

Activating Bluetooth

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON . The Bluetooth icon is displayed.

Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From the Home screen, tap ➔ **Settings** ➔ **Bluetooth**.
2. Tap **Scan** to scan for nearby discoverable devices. After searching, tap a device to pair with it. For more information, refer to *"Pairing Bluetooth Devices"* on page 158.
3. Press and select a Bluetooth setting to configure:
   - **Rename device**: Your device's default name displays on screen. Tap to change the device name. Available when Bluetooth is turned On.
   - **Visible time-out**: Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never timeout.
   - **Received files**: Show the list of files received by using Bluetooth.

4. Tap the checkbox next to **SGH-I317M** if you do not want your phone visible to other Bluetooth devices.

Data Usage

From this screen you can view your Mobile data usage and turn your Mobile data capability On or Off.

1. From the Home screen, tap ➔ **Settings** ➔ **Data usage**.
2. Tap **Mobile data** to create a checkmark and turn Mobile data usage on.
3. Tap **Set mobile data limit** to create a checkmark and allow a data limit to be set.
4. Touch and drag the red limit bar to the GB limit that you desire.
5. Tap the **Data usage cycle** drop-down menu and select a date.

   The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of how much data was used per application.

Note: Data is measured by your device. Your service provider may account for data usage differently.

6. Press to display additional options. Tap to activate.
   - **Data roaming**: enables Data roaming on your device.
   - **Restrict background data**: restricts some apps and services from working unless you are connected to a Wi-Fi network.
   - **Auto sync data**: allows your accounts to automatically sync
   - **Show Wi-Fi usage**: displays a Wi-Fi tab that shows Wi-Fi usage.

Mobile hotspots: lets you indicate which available Wi-Fi networks are mobile hotspots. You can restrict background apps from using these networks and set apps to warn you before using these networks for large downloads.

More Settings

This menu displays additional wireless and networking settings.

1. From the Home screen, tap ➔ **Settings**.
2. Tap **More settings** located under the Wireless and networks heading.

   Options display for Flight mode, Mobile networks, Tethering and portable hotspots, Wi-Fi Direct, Location services, and VPN.

Flight mode

Flight mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important! When your phone is in Flight Mode, it cannot send or receive any calls or access online information or applications.

1. From the Home screen, tap ➔ **Settings**.
2. Tap **More settings** located under the Wireless and networks heading.
3. Tap **Flight mode**. A check mark displayed next to the feature indicates Flight mode is active.
4. At the **Flight mode** prompt, tap **OK**.
   The Flight mode icon is displayed at the top of your screen.

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

Mobile data

To enable data access over the mobile network, this option must be selected. It is set on by default.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Mobile data** to create a checkmark and activate the feature.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Data roaming** to create a checkmark and activate the feature.

Access Point Names

Displays the current access point name and settings.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Access Point Names**.

A list of the Access Point names display. The active access point displays a green, filled circle to the right of the name. Tap the name to view the related settings.

Network Mode

Select the types of network connection permitted for your phone.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Network mode** then tap to select a connection type: LTE/GSM/WCDMA (Auto mode), GSM only, or WCDMA only.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Network operators**.

   The current network connection displays at the top of the list.

Important! You must deactivate data service prior to searching for an available network.

3. Tap **Search networks** to manually search for a network.
4. Tap **Select automatically** to automatically select a network connection.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default setup options

Your phone default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Network operators**.
3. Tap **Default setup**.
4. Tap **Manual** to locate and connect to a network manually, or tap **Automatic** to allow the device to automatically select a network.

Tethering & portable hotspot

This option allows you to share your phones's mobile data connection via USB or as a portable Wi-Fi hotspot.

USB tethering

1. From the Home screen, tap **➔ Settings ➔ More settings ➔ Tethering and portable hotspots**.
2. Connect your phone to your PC using a USB cable.
3. Tap **USB tethering** to add a checkmark and activate the feature. The USB tethering icon is displayed at the top of your screen.

Portable Wi-Fi hotspot

1. From the Home screen, tap **➔ Settings ➔ More settings ➔ Tethering and portable hotspots ➔ Portable Wi-Fi hotspot**.
2. Turn Portable Wi-Fi hotspot on by tapping the slider so that it changes to the ON position .
   The Portable Wi-Fi hotspot icon is displayed at the top of your screen.
3. Tap **Configure** at the bottom of the screen.
4. Enter or edit the Network SSID, Hide my device, Security setting, and Password.
5. Tap **Show password** and **Show advanced options** to see them displayed.
6. Tap **Save**.
7. Press for the following options:
   - **Timeout settings**: allows you to set the time your device will be available as a portable Wi-Fi hotspot.
   - **Help**: provides additional information.

Connecting to Portable Wi-Fi hotspot from other devices

1. Activate Wi-Fi on the device that wants to connect to your phone.
2. Select **[AndroidAP]** in the Wi-Fi network list and enter the password indicated on your phone to connect to it.
   The connected device can now use internet through your Portable Wi-Fi hotspot.

Note: Activating Wi-Fi and connecting to your phone will be different depending on the type of the other device.

Allowed Devices

You can create an allowed device list to limit the devices that can connect to the portable wi-fi hotspot.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Tethering and portable hotspots** ➔ **Portable Wi-Fi hotspot**.
2. Tap **AndroidAP** ➔ **Only allowed devices**.
3. At the bottom of the screen, tap **Allowed devices**.
4. Tap , enter the device name and MAC address and tap **OK**. Repeat for any additional devices.

Help

- From the **Tethering and portable hotspot** menu, tap **Help** for additional information

VPN settings

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Important! Before you can use a VPN you must establish and configure one.

Adding a VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Screen Lock"* on page 124.
2. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **VPN**.
3. Tap **Add VPN network**.
4. Enter a name for the VPN network in the **Name** field.
5. Select a VPN type from the **Type** drop-down menu. The options are:
   - PPTP (Point-to-Point Tunneling Protocol)
   - L2TP/IPSec PSK (Layer 2 Tunneling Protocol / Internet Protocol Security Pre-Shared Key)
   - L2TP/IPSec RSA
   - IPSec Xauth PSK
   - IPSec Xauth RSA

- IPSec Hybrid RSA

6. Enter the Server address and any other required fields that are dependent upon the **Type** you entered previously.
7. Tap the **Show advanced options** check box to display additional VPN options.
8. Tap **Save** to save your VPN settings.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

To activate NFC, follow these steps:

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **NFC.**
2. Tap the ON/OFF slider, located to the right of the NFC field, to turn NFC ON .

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music Player, and more.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **S Beam**.
2. Tap the **OFF / ON** icon to turn S Beam on .
3. Touch the back of your device with another NFC-capable device and the content is transferred.

Nearby devices

This option allows you to share your media files with nearby devices connected to the same Wi-Fi network using DLNA.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Nearby devices**.
2. Tap the **File sharing** checkbox to turn File sharing on. Your phone scans for available devices.

The following options are available:

- **Shared contents**: Select the content to share.
- **Device name**: Select to rename your phone, then tap **Save**.
- **Allowed device list**: Tap to open, then tap the names of available devices to add a checkmark and enable sharing.
- **Not-allowed devices list**: Shows devices that are not accessible.
- **Download to**: Select a storage location for downloaded files.
- **Upload from other devices**: Choose whether to Always accept, Always ask, or Always reject.

AllShare Cast

With AllShare Cast, you can wirelessly share your phone's screen with a Wi-Fi-enabled TV using the AllShare Cast Hub accessory. Your phone and the device you want to share with must be connected to the same Wi-Fi network. For more information, refer to *"Connect to a Wi-Fi Network"* on page 153.

Note: In order to use Allshare Cast, you must have already set up and logged in to your Samsung account. The icon should not appear in the Notifications area of the screen.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **AllShare Cast**.
2. Tap the **OFF / ON** icon to turn AllShare Cast on .

   Your phone automatically scans for other compatible devices.
3. Follow the on-screen instructions to connect with the TV.

Note: This feature allows a connection between your phone and the optional AllShare Cast Hub, via a shared Wi-Fi connection. The AllShare Cast Hub then allows the communicating TV to mirror what is being shown on the phone's display.

Kies via Wi-Fi

Kies via Wi-Fi allows you to sync your PC wirelessly with your device provided they are both on the same Wi-Fi network. You can view and share videos, photos, music, ringtones, and more.

1. If you don't already have the Samsung Kies application on your PC, download it. You can find it at samsung.com.
2. From your PC, launch the Samsung Kies application.
3. From your PC, connect to a Wi-Fi network.
4. On our phone's Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Kies via Wi-Fi**.
5. From your device, connect to the same Wi-Fi network that your PC is connected to if it is not already connected. For more information, refer to *"Connect to a Wi-Fi Network"* on page 153.

6. When the name of your PC appears in the Kies via Wi-Fi list on your phone, tap the name.
7. When the Wi-Fi connection request box appears on the PC, tap **Yes**.
8. The phone and PC are now connected. The phone's name should appear in the Connected devices area in the Kies software on the PC.

You can now use the Kies software to transfer files, upgrade the phone's firmware, etc.

Home Screen Mode

Home screen mode allows you to set your display to the conventional layout of **Basic mode** or provide an easier user experience for the first-time smartphone users using **Easy mode**.

1. From the Home screen, tap ➔ **Settings** ➔ **Home screen mode**.
2. Tap the pull-down dropbox and select one of the following options:
   - **Basic mode**: provides conventional layout for the apps and widgets on your home screens.
   - **Easy mode**: provides easier user experience for first-time smartphone users on the home screens.
3. Tap **Apply**.

Blocking mode

This mode allows you to block incoming calls, notifications, alarms, and indicator lights during a specific time period.

1. Tap the ON/OFF slider, located to the right of the Blocking mode field, to turn Blocking mode ON .
2. In the Features area, tap the selection box to select or deselect (add or remove checkmark):
   - Disable incoming calls
   - Disable notifications
   - Disable alarm and timer
   - Disable LED indicator
3. In the Set time area, tap the **Always** selection box or tap From and To and set a time period.
4. In the Allowed contacts area, tap **Allowed contacts** and select **None**, **All contacts**, **Favourites**, or **Custom**.

5. If you selected Custom, the Allowed contact list screen opens. Tap **Add**, select the contacts you want to allow, then tap **Done**.

Sound Settings

From this menu you can control the sounds on the phone.

- From the Home screen, tap ➔ **Settings** ➔ **Sound**.

The following options display:

Volume

The Volume option allows you to change the volume for all phone sounds in one easy location.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound** ➔ **Volume**.
2. Touch and drag the slider to adjust the sound volume for Media, Ringtone, Notifications, and System.
3. Tap **OK**.

Vibration intensity

Vibration intensity allows you to select how intense the vibration is for different options.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound** ➔ **Vibration intensity**.
2. Touch and drag the slider to adjust the Vibration intensity for Incoming call, Notification, and Haptic feedback.
3. Tap **OK**.

Device ringtone

This option allows you to set the ringtone.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap **Device ringtone**.
3. Tap a ringtone and tap **OK**.

Device vibration

This option allows you to set your phone to vibrate and ring.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap **Device vibration**.
3. Select a vibration pattern and tap **OK**.

Default notifications

This option allows you to set the tone that will sound for notifications and alarms.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap **Default notifications**.
3. Tap a tone and tap **OK**.

Sound and vibration

This option allows you to enable all sounds and vibrations.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap **Sound and vibration** to create a checkmark and enable the feature.

System Tone Settings

The System tone settings control sounds played when you use the dialing pad, make a screen selection, lock your screen, or tap the screen.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap any of the following options to create a checkmark and activate the feature:
   - **Keytones**: play sound when the keypad is pressed.
   - **Touch sounds**: play a sound when you touch the screen.
   - **Screen lock sound**: play a sound when your screen is locked or unlocked.
   - **Haptic feedback**: makes a vibration when you tap soft keys and on certain UI interactions.

Display Settings

In this menu, you can change various settings for the display.

- From the Home screen, tap ➔ **Settings** ➔ **Display**.

The following options display:

- **Wallpaper**: allows you to set the Wallpaper for your Home screen, Lock screen, or both. For more information, refer to *"Changing the Wallpaper"* **on page 35.**
- **LED indicator:** lets you turn LED indication on or off for Charging, Low battery, Notifications and Voice recording.
- **Multi window:** allows two windows on the screen at the same time. For more information, refer to *"Multi Window"* **on page 40.**
- **Page buddy:** lets you select creation of context-related pages on the home screen for S Pen, Earphones, Docking and Roaming. Tap Page buddy help for more information. Touch and slide the Page buddy slider to the right to turn it ON .
- **Screen mode:** Set the screen colour and contrast preset to Dynamic, Standard (default), Natural or Movie.
- **Brightness**: configures the LCD Brightness levels. Tap Automatic brightness to allow the phone to self-adjust or drag the slider and tap OK.
- **Auto-rotate screen**: allows automatic switching of the display orientation when you rotate the phone.

- **Screen timeout**: adjusts the time delay before the screen automatically turns off when it is inactive. Selections are: 15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, and 10 minutes.
- **Smart rotation**: disables the auto screen rotation and uses the front camera to determine the orientation of your face and rotates the screen accordingly.
- **Smart stay**: uses the front camera to detect your face and overrides the screen timeout setting so the screen stays on when you are looking at it.
- **Font style**: allows you to set the font style that your phone will use. You can also tap Get fonts online to choose from a wider selection.
- **Font size**: allows you to select the size of font displayed.
- **Touch key light duration:** Adjust the time delay before the Touch key light automatically turns off when the keys are inactive.
- **Display battery percentage**: allows you to see the battery charge percentage next to the battery charge icon at the top of the display.
- **Auto adjust screen tone**: allows you to save power because the phone analyzes the displayed screen image and adjusts the LCD brightness.

Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the SD card.

For more information about mounting or unmounting the SD card, see *"Memory Card"* on page 41.

To view the memory allocation for your external SD card:

- From the Home screen, tap ➔ **Settings** ➔ **Storage**.The available memory displays under the **Total space** and **Available** headings for both Device memory and SD card.

SD card

- Tap **Unmount SD card** to unmount your SD card so that you can safely remove it, then tap **OK**.

  – or –

1. Tap **Format SD card** to re-format your SD card. This will delete all data on your SD card including music, videos, and photos.

2. Tap **Format SD card** again.
3. Tap **Erase everything** to continue or press to cancel.

Note: The **Format SD card** option is only available when your SD card is mounted.

Power Saving

Power Saving Mode allows you to manage your phone to conserve power.

1. From the Home screen, tap ➔ **Settings** ➔ **Power saving**.
2. Tap the **OFF / ON** icon next to **Power saving** to turn Power saving mode on .
3. Tap the following options to create a checkmark and conserve power:
   - **CPU power saving**: allows you to limit the maximum performance of the CPU.
   - **Screen power saving**: allows you to lower the screen power level.
   - **Background colour**: allows you to change the background colour on email and internet to save power.
   - **Turn off haptic feedback**: allows you to turn off vibration when you tap or touch the screen.

Tap **Learn about power saving** to learn about various ways to conserve battery power.

Battery

See how much battery power is used for device activities.

1. From a Home screen, tap ➔ **Settings** ➔ **Battery**. The battery level displays in percentage. The amount of time the battery has been used since the last charge also displays. Battery usage displays in percentages per application.
2. Tap **Screen**, **Android OS**, **Cell standby**, **Device idle**, **Android System** or any other listed application to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

Application Manager

You can download and install applications from Play Store or create applications using the Android SDK and install them on your device. Use Applications manager settings to manage applications.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From a Home screen, tap ➔ **Settings** ➔ **Application manager**.
2. Tap **DOWNLOADED**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

   The graph at the bottom of the Downloaded tab shows used and free device memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From a Home screen, tap ➔ **Settings** ➔ **Application manager**.
2. Tap the **DOWNLOADED** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, press ➔ **Sort by size** or **Sort by name**.
4. To reset the preferences for all apps, press ➔ **Reset app preferences** ➔ **Reset apps**.
5. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From a Home screen, tap ➔ **Settings** ➔ **Application manager**.
2. Tap the **RUNNING** tab. All the applications that are currently running on the device display.
3. Tap **Show cached processes** to display all the cached processes that are running. Tap **Show services in use** to switch back.
4. Tap one of the applications to view application information.

   The following options display:

- **Stop**: Stops the application from running on the device. This is usually done prior to uninstalling the application.

Warning! Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.

- **Report**: Report failure and other application information.

Note: Options vary by application.

Location Services

The Location services settings allow you to set up how the phone will determine your location and the sensor settings for your phone.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Location services**.
2. Tap any of the following options to create a checkmark and activate the service:
   - **Use wireless networks**: allows applications to use data from mobile networks and Wi-Fi to help determine your location.
   - **Use GPS satellites**: allows applications to use GPS to pinpoint your location.
   - **Location and Google search**: allows Google to use your location data for improved search results and other services.

Lock Screen Settings

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *"Locking and Unlocking the Touch Screen"* on page 6.

Screen Lock

1. From the Home screen, tap ➔ **Settings** ➔ **Lock screen**.
2. Tap **Screen lock** and select an option:
   - **Swipe**: Swipe the screen to unlock it.
   - **Motion**: While tapping and holding the screen, tilt the device forward to unlock.
   - **Face unlock**: Look at your phone to unlock it.
   - **Face and voice**: Look at your phone and speak to unlock.
   - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - **PIN**: Select a PIN to use for unlocking the screen.
   - **Password**: Create a password for unlocking the screen.

- **None**: No pattern, PIN, or password is required. The screen will never lock.

With swipe lock

Use secured lock with swipe lock. Tap the checkbox to enable.

Lock screen options

Activate or deactivates various Unlock screen functions.

Note: The Lock screen options are only available when the **Screen lock** option is set to **Swipe** or **Motion**.

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1. From the Home screen, tap ➔ **Settings** ➔ **Lock screen** ➔ **Lock screen options**.
2. The following options are available:
   - **Shortcuts** sets shortcuts to appear at the bottom of the Lock screen.
   - **Information ticker** sets the news, stock or Facebook information ticker to appear across the bottom of the Lock screen.
   - **Clock** allows you to display the digital clock while the Lock screen is active. Enabled by default.
   - **Dual clock** displays a set of dual digital clock on the Lock screen while you are traveling. Tap the entry to set your home city. This time zone then becomes the time used by one of these on-screen clocks.

- **Weather** displays the current area weather on the Lock screen. Tap and set both the temperature units (F or C) and a refresh time.
- **Ripple effect** activates/deactivates the ripple effect on the lock screen when you tap it.
- **Ink effect**: activates/deactivates the ink effect on the lock screen when you tap it
- **Help text** shows help information on the Lock screen.
- **Camera quick access** provides you with quick access to the camera function from the Lock screen. When this option has been activated, touch and hold the lock screen while rotating the device to the landscape position then release the screen.
- **Wake up in lock screen** unlocks the phone using the wake-up command.
- **Set wake-up command** designates your S Voice wake-up and other commands. Tap Wake-up S Voice or Wake-up function 1-4 and follow the on-screen prompts to create a new verbal command.

Note: These options vary depending on the selected Lock settings.

Popup Note on lock screen

When enabled, this option lets you open the S Note application from the lock screen.

1. From the Home screen, tap ➔ **Settings** ➔ **Lock screen**.
2. Tap **Popup Note on lock screen** to create a checkmark and activate the feature.

For more information, refer to *"Launch S Note Lite"* on page 15.

Owner information

This option allows you to show owner information on the lock screen. You can also enter text to display on the lock screen.

1. From the Home screen, tap ➔ **Settings** ➔ **Lock screen** ➔ **Owner information**.
2. Tap the **Show owner info on lock screen** checkbox to create a checkmark if you want your owner information displayed.
3. Enter text that you would like displayed on your lockscreen and tap **OK**.

Security

The Security settings allow you to determine the security level for your phone.

Encryption

To require a numeric PIN or password to decrypt your phone each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Encrypt device**. For more information, read the displayed help screen.
3. Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

Find my mobile

Using the Find my mobile feature, you can find your missing phone.

Remote controls

Remote controls uses the SamsungDive service to track and control your device remotely. See www.samsungdive.com for more information.

To enable remote controls:

1. From the Home screen, tap ➔ **Settings** ➔ **Security** ➔ **Remote controls**.

SIM Change Alert

Sends an SMS message when the SIM card is changed.

1. From the Home screen, tap ➔ **Settings** ➔ **Security** ➔ **SIM Change Alert**.
2. Tap **Sign in** to sign in to your Samsung account or tap **Create new account** to create an account.
3. Tap **Alert message**, enter the message to be sent to all message recipients, and tap **OK**.
4. Tap **Create** and enter a message recipient or **Contacts** to select recipients from your contact list.
5. Tap **Save**.

Find my mobile web page

Opens the Find my mobile page using the default browser.

SIM card lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the Home screen, tap ➔ **Settings** ➔ **Security** ➔ **Set up SIM card lock**.
2. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

3. Tap **Change SIM PIN**.
4. Enter your old SIM PIN code and tap **OK**.
5. Enter your new SIM PIN code and tap **OK**.
6. Re-type your new SIM PIN code and tap **OK**.

Make passwords visible

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Make passwords visible** to create a checkmark and enable or disable the display of password characters.

Device Administration

Device administrators

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost of stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** (System) ➔ **Security**.

2. Tap **Device administrators**.
3. Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Play Store.

Unknown sources

This feature allows you to download and install applications from locations other than Play Store.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Unknown sources**.

   A check mark is displayed to indicate it is active.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications from unknown sources.

Credential Storage

Trusted Credentials

If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Trusted credentials**.

   The trusted credentials screen has two tabs:

   - **System**: Displays CA certificates that are permanently installed in the ROM of your device.
   - **User**: Displays any CA certificates that you installed, for example, in the process of installing a client certificate.
3. Tap a CA certificate to examine its details.

   A scrolling screen displays the details.
4. Scroll to the bottom of the details screen and tap **Disable** to disable a System certificate or **Remove** to remove a User certificate.

Caution! When you disable a system CA certificate, the **Disable** button changes to **Enable**, so you can enable the certificate again, if necessary. When you remove a user-installed CA certificate, it is permanently deleted and must be re-installed, if needed.

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5. Tap **OK** to return to the certificate list.

   When enabled, a check mark appears in the check box.

Install from device storage

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Install from device storage**, then choose a certificate and follow the prompts to install.

Clear credentials

Clear stored credentials.

Note: This setting only appears if you have installed encrypted certificates.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Clear credentials** to remove all certificates.

One-handed operation

The one-handed operation settings help you to use your phone keypads easily with only one hand.

1. From the Home screen, tap ➔ **Settings** ➔ **One-handed operation**.
2. The following options are available:

- **Keypad and in-call buttons**: allows you to adjust the position of the dialing keypad and in-call buttons to the left or the right to make it easier to use with one hand.
- **Samsung keyboard**: allows you to adjust the position of the Samsung keyboard to the left or the right to make it easier to use with one hand.
- **Calculator**: allows you to adjust the position of the calculator keypad to the left or the right to make it easier to use with one hand.
- **Unlock pattern**: allows you to adjust the scale of the unlock pattern for use with one hand.

Learn about on-handed operation: provides more information about using one-handed operation.

Language and input

This menu allows you to configure the language in which to display the menus. You can also set onscreen keyboard options.

Language

You can change the language used by your device by following these steps:

1. From the Home screen, tap → **Settings** → **Language and input** → **Language**.
2. Tap a language from the list.

Keyboards and Input Methods

You can change the keyboard used by your device by following these steps:

1. From the Home screen, tap → **Settings** → **Language and input**.
2. Tap **Default** and select a keyboard.

   Samsung keyboard is the default and the only keyboard supplied with the device.
3. Tap **Set up input methods**.
4. Tap the icon next to the input method that you would like to configure the settings for.
5. Based on your selection of input method, the appropriate settings will appear and are explained below.

Google voice typing settings

From this menu you can set Samsung keyboard options.

1. From the Home screen, tap → **Settings** → **Language and input**.
2. Tap the icon next to **Google voice typing**.
3. The following options are available:
   - **Choose input languages**: tap on a language that you want to input. Select Automatic to use the local language or select a language from the list.
   - **Block offensive words**: tap to create a checkmark and enable the blocking of recognized offensive words from the results of your voice-input Google typing.
   - **Download offline speech recognition**: Enables voice input while offline.

Samsung Keyboard settings

From this menu you can set Samsung keyboard options.

1. From the Home screen, tap → **Settings** → **Language and input**.
2. Tap the icon next to **Samsung keyboard**.
   - **Portrait keypad types** allows you to choose a keypad configuration (Qwerty [default] or 3x4 Keyboard).
   - **Input languages** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.

- **Predictive text** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings.
- **Continuous input** allows you to type words by swiping between on-screen keys.
- **Pen detection** display handwriting pad when the pen is detected.
- **One-handed operation** lets you set your keyboard for use with one hand.
- **Handwriting** enables the device to recognize on-screen handwriting and convert it to text.
- **Advanced**
  - **Auto capitalisation** automatically capitalizes the first letter of the first word in each sentence (standard English style).
  - **Auto-punctuate** automatically inserts a full stop in a sentence by tapping the space bar twice when using the on-screen QWERTY keyboard.
  - **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
  - **Key-tap vibration** enables vibration feedback when you tap an on-screen key.
  - **Key-tap sound** enables auditory feedback when you tap an on-screen key.
- **Tutorial** launches a brief on-screen tutorial covering the main concepts related to the Samsung keyboard.
- **Reset settings** resets the keyboard settings back to their original configuration.

Predictive Text Settings

From this menu you can set Predictive Text settings.

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap the icon next to **Samsung keyboard**.
3. Tap **Predictive text**.
   - **Personalised data**: Use personal language data that you have entered to improve the prediction results.
   - **Learn from Facebook**: Let your device learn your Facebook style.
   - **Learn from Gmail**: Let your device learn your Gmail style.
   - **Learn from Twitter**: Let your device learn your Twitter style.

- **Clear remote data**: Delete your anonymous data stored on the personalization server.
- **Clear personalised data**: Delete all personal language data.
- **Privacy policy**: click the link to read the privacy policy. Follow the on-screen instructions

Speech

This menu allows you to set the speech settings for voice input.

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap **Voice search** to configure:
   - **Language**: Choose a language for your voice input.
   - **Speech output**: Select whether speech output occurs Always or Hands-free only.
   - **Block offensive words**: Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
   - **Download offline speech recognition**: Enables voice input while offline.
3. Tap **Text-to-speech output** and select **Google Text-to-speech Engine** or **Samsung TTS**.
4. Tap next to the Google Text-to-speech Engine to configure the following settings:
   - **Language**: allows you to set the language for spoken text.
   - **Settings for Google Text-to-speech Engine**: allows you to view Open Source Licenses.
   - **Install voice data**: allows you to install voice data for speech synthesis.

   – or –

   Tap next to the Samsung TTS to configure the following settings:
   - **Language**: allows you to set the language for spoken text.
   - **Settings for Samsung TTS**: allows you to view Open Source Licenses.
5. From the **Text-to speech output** screen, scroll down to access the following options:
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
   - **Driving mode: t**ap the ON/OFF icon to turn it on and enable incoming calls and notifications to be read out automatically.

Mouse/trackpad

This option sets your Pointer speed.

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap **Pointer speed** then drag the slider to the right to go faster or to the left to go slower.
3. Tap **OK** to save your setting.

Cloud

This feature allows you to use external cloud storage solutions to synchronize your device to your Samsung account and backup local content to the cloud.

Personal data management

This menu lets you set up and manage online synchronization and device backup to your Samsung account.

1. From the Home screen, tap ➔ **Settings** ➔ **Cloud.**
2. Tap **Add account** and log in to your Samsung account or set up a new account.
3. Tap **Sync settings** and tap the applications that you want to synchronize online (Sync Calendar, Sync Contacts, Sync Internet and Sync S Note).
4. To to immediately synchronize the selected applications, tap **Sync now**.
5. To delete the account and all of its messages, contacts, and other data, tap **Remove account**.
6. Tap **Device backup** and set the backup options.
   - **Auto backup**: enable automatic online backup of phone data when connected to a Wi-Fi network when the screen is off and the device is charging.
   - **Backup options**: Select data to back up (Logs, Messages (SMS), Messages (MMS), Wallpaper)
   - **Back up now**: start a backup immediately
   - **Restore**: Restore your backed up data.

Contents sync

This menu lets you set up a Dropbox account for synchronizing your device contents online.

1. From the Home screen, tap ➔ **Settings** ➔ **Cloud.**
2. Tap **Set account**.
3. To synchronize with an existing Dropbox account, tap **I'm already a Dropbox user**. To set up a new Dropbox account tap **I'm new to Dropbox**.

4. Follow the on-screen instructions to sync your phone content with your Dropbox account.

Back up and reset

The Back up and reset option allows you to back up your data, accounts, and other settings to Google servers; automatically restore your phone; and reset your phone settings to the factory settings.

Back up my data

By setting this option, the Google server will back up all of your settings and data.

1. From the Home screen, tap ➔ **Settings** ➔ **Back up and reset**.
2. Tap **Back up my data** to enable or disable back up of application data, WI-Fi passwords, and other settings to the Google server.

Backup account

If you have enabled the **Back up my data** option, then the **Backup account** option is available.

1. From the Home screen, tap ➔ **Settings** ➔ **Backup and reset**.
2. Tap **Backup account** and tap your Google Gmail account or tap **Add account** to create a new Google Gmail account.

Automatic Restore

By setting this option, all of your backed up settings and data will be restored when you reinstall an application.

1. From the Home screen, tap ➔ **Settings** ➔ **Backup and reset**.
2. Tap **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

Factory Data Reset

From this menu you can reset your phone and sound settings to the factory default settings.

1. From the Home screen, tap ➔ **Settings** ➔ **Backup and reset**.
2. Tap **Factory data reset**.

   The Factory data reset screen displays reset information.
3. Tap **Reset device**, then follow the prompts to perform the reset.

Warning! Performing a Factory data reset will erase all data from your phone's internal storage, including your Google account, system and application data and settings, and downloaded applications. It will not erase current system software, bundled applications, and external SD card files such as music and photos.

Accounts

This menu allows you to set up, manage, and synchronize accounts, including your Google and email accounts.

Adding an Account

1. From a Home screen, tap ➔ **Settings** ➔ **Add account**.
2. Tap one of the account types.
3. Use the keyboard and follow the prompts to enter your credentials and set up the account.

   A green circle will appear next to the account type once you have created an account. Your email account will also be displayed in the **Accounts** section of the main Settings menu.

Removing an Account

Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

1. From a Home screen, tap ➔ **Settings**.
2. In the **Accounts** section, tap the type of account you want to remove.
3. Tap the account name.
4. Tap **Remove account**, then tap **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Synchronizing Accounts

Select the items you want to synchronize on your account such as Books, Calendar, Contacts, and more.

1. From a Home screen, tap ➔ **Settings**.
2. In the **Accounts** section, tap the type of account you want to synchronize.
3. Tap **Sync all** to synchronize all listed accounts or tap an account name.

4. As required, tap the checkbox beside each data type to enable or disable synchronization.
5. Tap **Sync now** to synchronize all selected data. You can tap **Cancel sync** to stop the synchronization at any time.

System

Motion

The Motion settings allow you to set up various Motion activation services. For more information on using gestures, see *"Using Gestures"* on page 28.

1. From the Home screen, tap ➔ **Settings** ➔ **Motion**.
2. Tap the ON/OFF icon at the top of your screen to activate Motion.
3. The following options are available. Tap an option to activate the feature. A checkmark is displayed.
   - **Quick glance**: You can check key information at a glance by reaching towards your device.
   - **Direct call**: The device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.
   - **Smart alert**: Pick up the device to be alerted and notified of you have missed any calls or messages.
   - **Double tap to top**: Double tap the top of the device to be taken to the top of the current on-screen list.
   - **Tilt to zoom**: In a single motion, touch and hold two points on the display then tilt the tilt the device back and forth to zoom in or out (you must be on a screen where content can be zoomed).
   - **Pan to move icon**: Touch and hold a desired application shortcut icon or widget on the screen. Once it detaches, move the device left or right to migrate it to a new location.
   - **Pan to browse images**: Touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.
   - **Shake to update**: Shake your device to rescan for Bluetooth devices, rescan for Wi-Fi devices, Refresh a Web page, etc.
   - **Turn over to mute/pause**: Mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.

- **Advanced settings**: Allows you to access additional settings for Quick glance, Gyroscope calibration, Tilt to zoom, Pan to move icon, and Pan to browse images.
- **Learn about motions**: Provides additional help on using the different motions.
- **Palm swipe to capture**: You can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is copied to the clipboard.
- **Palm touch to mute/pause**: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.
- **Learn about hand motions**: Provides additional help on the hand motions such as Palm swipe to capture and Palm touch to mute/pause.

S Pen

This menu allows you to customize settings for the S Pen.

1. From the Home screen, tap ➔ **Settings** ➔ **S Pen**.
2. The following options are available:
   - **Dominant hand**: Allows you to set your phone to Left handed or Right handed.
   - **Pen attach/detach sound**: Allows you to select a sound to be played whenever the pen is attached or detached.
   - **Open Popup Note**: Automatically opens Popup Note whenever the pen is detached.
   - **Battery saving**: Disables the pen detection feature while the pen is attached to save battery power.
   - **S Pen keeper**: sounds an alert and displays a pop-up when you move the device without attaching the pen.
   - **Air view**: When the S pen tip is near the screen for a while, the air view features appear.
   - **Sound and haptic feedback**: Provides sound and vibration feedback when the air view features appear.
   - **Quick command settings**: allows you to create pen gestures to open selected apps or perform tasks.
   - **S Pen help**: provides additional information about S Pen.

Accessory Settings

This menu allows you to select the Audio output mode when using a car or desk dock.

1. From the Home screen, tap ➔ **Settings** ➔ **Accessory**.
2. Tap **Dock sound** to play sounds when inserting or removing the phone from the dock.
3. Tap **Audio output mode** to use external speakers when the phone is docked.
4. Tap **Desk home screen display** to automatically show desk home screen when the device is docked.
5. Tap **Audio output** to set your Audio output to Stereo or Surround.

Date and time

This menu allows you to change the current time and date displayed.

1. From the Home screen, tap ➔ **Settings** ➔ **Date and time**.
2. Tap **Automatic date and time** to allow the network to set the date and time.
3. Tap **Automatic time zone** to allow the network to set the time zone.

Important! Deactivate **Automatic date and time** to manually set the date and time options listed below.

4. Tap **Set date** and tap the up and down arrows to set the **Month**, **Day**, and **Year** then tap **Set**.
5. Tap **Set time** and tap the up and down arrows to set the **Hour**, **Minute**, and **PM/AM**, then tap **Set**.
6. Tap **Select time zone**, then tap a time zone.
7. Optional: Tap **Use 24-hour format**. If this is not selected the phone automatically uses a 12-hour format.
8. Tap **Select date format** and tap the date format type.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from Play Store and manage their use here.

1. From the Home screen, tap ➔ **Settings** ➔ **Accessibility**.

2. Tap **Auto-rotate screen** to allow automatic switching of the display orientation when you rotate the phone.
3. Tap the **Screen timeout** option to set the time delay before the screen turns off when idle.
4. Tap the **Speak passwords** option to have the phone read out password information.
5. Tap the **Answering/ending calls** option to be able to accept incoming calls by pressing the home key or end calls using the power key.
6. Tap the **Accessibility shortcut** option to allow the accessibility shortcut under the device options to be used by pressing and holding the power key.
7. Tap the **TalkBack** option to activate the TalkBack feature.

Note: TalkBack speaks feedback to help blind and low-vision users.

8. Tap the **Font size** field to change the size of the fonts used on the device within menus, options, etc. Choose from: Tiny, Small, Normal, Large, or Huge.
9. Tap the **Negative colours** field to reverse the display of on-screen colours from White text on a Black background to Black text on a White background.
10. Tap **Text-to-speech output** to configure the text-to-speech settings.
    - **Speech rate**: Set the speed at which the text is spoken.
    - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
    - **Driving mode: t**ap the ON/OFF icon to turn it on and enable incoming calls and notifications to be read out automatically.
11. Tap **Enhance Web accessibility** if want to allow apps to install scripts from Google that make their Web content more accessible. Tap **Allow**.
12. Tap the **Sound balance** field and use the slider to set the Left and Right balance when using a stereo device.
13. Tap the **Mono audio** field to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.

14. Tap the **Turn off all sounds** field to mute every sound made by the device during taps, selections, notifications, etc.
15. Tap the **Tap and hold delay** field to select a time interval for this action. Choose from: Short, Medium, or Long.

Developer options

Use the Developer options to set options for application development.

Desktop Backup Password

Protect the desktop with a backup password ID.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap **Desktop backup password**.
3. In the Settings screen, enter the current full backup password, the new password for full backups, then enter the new password again.
4. Tap **Set backup password** to save the password change.

Stay awake

With the Stay away option enabled, your screen will never sleep while you are charging the phone.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap **Stay awake** to create a checkmark and activate the option.

Protect SD card

This option requires apps to ask your permission before accessing data on your SD card.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap **Protect SD card** to create a checkmark and activate the option.

Debugging

USB Debugging

When enabled, allows debugging when the device is attached to a PC by a USB cable.

Note: This setting is used for development purposes.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap **USB debugging** to enable or disable the setting. When enabled, a check mark appears in the check box.

Allow Mock Locations

This setting is used by developers when developing location-based applications.

Note: This setting is used for development purposes.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap **Allow mock locations** to enable or disable the setting.

   When enabled, a check mark appears in the check box.

Select debug app

Set a debugging application.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap **Select debug app** and choose an app.

Wait for debugger

Debugged application waits for debugger to attach before executing.

Note: This setting is used for development purposes.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap **Wait for debugger** to enable or disable the setting.

   When enabled, a check mark appears in the check box.

Input

- **Show touches**: Display visual feedback for touch interactions on the screen.
- **Show pointer location**: Highlights the data that was touched on the screen.

Drawing

- **Show layout boundaries:** Display clip bounds, margins, etc.
- **Show GPU view updates:** Flash views inside windows when drawn by the GPU.
- **Show screen updates**: Areas of the screen flash when they update.
- **Window animation scale**: Configure the scale for animation (ranges from off to 10x).
- **Transition animation scale**: Configure the scale for transitioning when using animation (ranges from off to 10x).
- **Animator duration scale**: select Animation off or Animation scale from .5x to 10x.

- **Disable hardware overlays**: Always use GPU for screen compositing.
- **Force GPU rendering**: Assigns rendering operations to the GPU.

Monitoring

Configure the user interface by setting the behavior for the way the screen behaves when using applications or displaying data.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap the check box next to each Monitoring option to enable:
   - **Strict mode**: Makes the screen flash when applications perform long operations on the main thread.
   - **Show CPU usage**: Screen highlights the current CPU usage.
   - **Profile GPU rendering**: Uses 2D acceleration in applications.
   - **Enable traces**: Enables/disables on-screen tracing based on an available parameter.

Apps

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap **Do not keep activities** to destroy every activity as soon as the application is closed.
3. Tap **Limit background processes** to set the number of processes that can run in the background. Options are: Standard limit, No background processes, and 1 to 4 processes at most.
4. Tap **Show all ANRs** to display a prompt when applications running in the background are not responding.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernal version, and software build number.

To access phone information:

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** (System) ➔ **About device**.
2. The following information displays:
   - **Software update**: allows you to update your phone software, if available. For more information, refer to *"Software Update"* on page 144.

- **Status**: displays the battery status, the level of the battery (percentage), network, signal strength, mobile network type, service state, roaming status, mobile network state, the phone number for this device, ERI version, IMEI number, IMEISV, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.
- **Legal information**: This option displays information about Open source licenses as well as Google legal information. This information provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference. Read the information and terms, then press to return to the Settings menu.
- **Model number**: displays the phone's model number.
- **Android version**: displays the android version loaded on this handset.
- **Baseband version**: displays the baseband version loaded on this handset.
- **Kernel version**: displays the kernel version loaded on this handset.
- **Build number**: displays the software, build number.

Note: Baseband, kernel and build numbers are usually used for updates to the handset or support. For additional information please contact your service representative.

Software Update

The Software Update feature enables you to use your phone to connect to the network and upload any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the Home screen, tap ➔ **Settings** ➔ **About device** ➔ **Software update**.
2. Tap **Update.**
3. At the **Software update** screen, tap the checkbox to accept the Terms and conditions then tap **Confirm** to continue.
4. The phone automatically updates the software (if available), otherwise, when the **Current software is up to date** prompt is displayed, tap **OK**.

5. When updating software, once the update file is downloaded, you can postpone the update for a certain period of time on the start screen. If you want to resume the update before the selected time, tap **Continue update**.

Section 9: Connections

This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Internet

The Browser is your access to the mobile web. This section explains how to navigate the Browser and introduces you to the basic features.

Accessing the Mobile Web

To access the Browser:

- From the Home screen, tap **Internet** .

  The default homepage displays.

Navigating with the Browser

1. To select an item, tap an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. To return to a previous page, press .
5. To move forward to a web page, press .

Zooming in and out of the Browser

There are several ways to Zoom in and out on your browser. After tapping on a link or article, use one of these methods:

- **Tilting**: Tap and hold the screen at two points then tilt the device back and forth to reduce or enlarge the screen. You must first enable motion in the Settings section. For more information, refer to *"Power Saving"* on page 122.
- **Double tap**: Quickly tap the screen twice on the web page to zoom in or out.
- **Pinching**: Sweep in opposite directions at the same time to zoom in or out (use a pinching-in or pinching-out motion).

Browser Options

1. From any web page, press to access the following options:
   - **New window**: displays a new window so you can browse multiple URLs. For more information, refer to *"Adding and Deleting Windows"* on page 147.
   - **Add bookmark**: allows you to add a URL to your bookmark list

- **Add shortcut to home**: allows you to add a shortcut to your Home screen.
- **Share page**: allows you to share the page using Gmail or as a message.
- **Find on page**: allows you to search in the current page.
- **Desktop view**: allows you to assign the browser to display the current page in the desktop view (to closely mimic the display as it would appear on a desktop computer).
- **Save for offline reading**: allows you to store the current page in memory so that it can be read later even without an Internet connection.
- **Brightness:** lets you adjust the screen brightness.
- **Downloads**: displays the download history.
- **Print**: allows you to print the screen or web page on a Samsung printer using Wi-Fi.
- **Settings**: allows you to modify your web settings. For more information, refer to *"Browser Settings"* on page 150.

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keypad.

   The website displays.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, press → **New window**.

   A new browser window is opened.
2. Tap (**Windows**) to see thumbnails of all open windows.
3. Sweep left or right to view the thumbnails.
4. Tap a window listing to open that Internet window.
5. Tap at the top right corner of the web page thumbnail to delete the window.

Going Incognito

The incognito feature allows you to view Internet sites outside of the normal browsing. Pages viewed in this incognito window won't appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser window, tap (**Windows**) ➔ (**Incognito**).
2. A new browser window displays.

Note: The incognito icon appears in the upper-left of the new browser window while you are in this mode.

To exit from the incognito window:

1. From your browser window, tap (**Windows**).
2. Scroll across the available windows and locate the incognito window.
3. Tap next to the incognito listing to delete this window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites are displayed in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the Home webpage, tap (**Bookmarks**). The Bookmarks page is displayed.
2. Press to display the following options:
   - **List/Thumbnail view**: Select **Thumbnail view** (default) to view a thumbnail of the webpage with the name listed, or select **List view** to view a list of the bookmarks with Name and URL listed.
   - **Create folder**: Creates a new folder in which to store new bookmarks.
   - **Change order**: Rearranges the current bookmarks.
   - **Move to folder**: Selected bookmarks are moved to a selected folder.
   - **Delete**: Erases selected bookmarks.
3. Tap a bookmark to view the webpage, or touch and hold a bookmark for the following options:

- **Open**: Opens the webpage of the selected bookmark.
- **Open in new window**: Opens the webpage in a new window.
- **Edit bookmark**: Allows you to edit the name or URL of the bookmark. For more information, refer to *"Editing Bookmarks"* on page 149.
- **Add shortcut to home screen**: Adds a shortcut to the bookmarked webpage to your phone's Home screen.
- **Share link**: Allows you to share a URL address using many different options.
- **Copy link URL**: Allows you to copy the URL address to use in a message.
- **Delete bookmark**: Allows you to delete a bookmark. For more information, refer to *"Deleting Bookmarks"* on page 149.
- **Set as homepage**: Sets the bookmark to your new homepage.

Adding Bookmarks

1. From any webpage, tap ➔ .
2. If necessary, use the on-screen keypad to edit the Name, Address, and Location.
3. Tap **Save**.
4. **Saved to bookmarks** will appear at the bottom of the page.

Editing Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to edit.
2. Tap **Edit bookmark**.
3. Use the on-screen keypad to edit the Name, Address, and Location.
4. Tap **Save**.

Deleting Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to delete.
2. Tap **Delete bookmark**.
3. At the **Delete** confirmation window, tap **OK**.

Emptying the Cookies

A cookie is a small file that is placed on your phone by a website during navigation. In addition to containing some site-specific information, it can also contain some personal information (such as a username and password) which can pose a security risk if not properly managed. You can clear these cookies from your phone at any time.

1. From the any webpage, press ➔ **Settings** ➔ **Privacy and security** ➔ **Clear all cookie data**.
2. At the **Clear** prompt, tap **OK** to delete the cookies or tap **Cancel** to exit.

Using your History

The History list provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From any webpage, tap ➔ **History** tab.

   A list of your most recently visited websites is displayed with Name and URL address.
2. Tap on a category such as **Today**, **Last 7 days**, or **Most visited**.
3. Tap any entry to display the webpage.
4. Press ➔ **Clear history** to delete the History list.

Saved Pages

The Saved pages list provides you with a list of the websites that you have saved.

1. From any webpage, tap ➔ **Saved pages** tab.

   A list of your saved webpages is displayed with Name and URL address. The webpages that have been visited the most will appear at the top.
2. Tap any entry to display the webpage.

Browser Settings

To make adjustments in your browser settings, follow these steps:

1. Tap **Internet** ➔ ➔ **Settings**.
2. The following options are available:

General

- **Set home page**: Sets the current home page for the Web browser.
- **Form auto-fill**: allows you to fill in web forms with a single tap.
- **Auto-fill text**: allows you to enter text to be used in the Form auto-fill feature.

Privacy and security

- **Clear cache**: Deletes all currently cached data. Tap **OK** to complete the process.
- **Clear history**: Clears the browser navigation history. Tap **OK** to complete the process.

- **Show security warnings**: Notifies you if there is a security issue with the current website.
- **Accept cookies**: Allows sites, that require cookies, to save and read cookies from your device.
- **Clear all cookie data**: Deletes all current browser cookie files.
- **Remember form data**: Allows the device to store data from any previously filled out forms. Remove the checkmark to disable this function.
- **Clear form data**: Deletes any stored data from previously filled out forms. Tap OK to complete the process.
- **Enable location**: Allows websites to request access to your location.
- **Clear location access**: Clears location access for all websites. Tap **OK** to complete the process.
- **Remember passwords**: Stores usernames and passwords for visited sites. Remove the checkmark to disable this function.
- **Clear passwords**: Deletes any previously stored usernames or passwords. Tap **OK** to complete the process.
- **Enable notifications**: Allows website notifications. Select Always on, On demand, or Off.
- **Clear notifications**: Deletes website notification access information.

Accessibility

- **Force zoom**: allows you to override the website's request to control zoom.
- **Text size**: allows you to preview the text size, scale the text size using a slider bar, set the zoom amount on double tap, and minimize the font size using a slider bar.
- **Inverted screen rendering**: allows you to preview a website page, select Inverted rendering (black becomes white and vice versa), and adjust the Contrast using a slider bar.

Advanced

- **Select search engine**: allows you to set your default search engine to Google Search, Yahoo!, or Bing.
- **Open in background**: New pages are launched in a separate page and displayed behind the current one. Remove the checkmark to disable this function.
- **Enable JavaScript**: Enables Javascript for the current Web page. Without this feature, some pages may not display properly. Remove the checkmark to disable this function.

- **Allow multiple tabs per app:** Allows you to use multiple navigation tabs per application.
- **Enable plug-ins**: Allows the download of plug-ins such as Adobe Flash.
- **Default storage**: Allows you to set your default storage to Phone or Memory Card.
- **Website settings**: View advanced settings for individual websites.
- **Default zoom**: Adjusts the zoom feature. Set to Far, Medium, or Close.
- **Open pages in overview**: Shows an overview of newly opened web pages.
- **Auto-fit pages**: Allows web pages to be resized to fit as much of the screen as possible.
- **Block pop-ups**: Prevents popup advertisement or windows from appearing onscreen. Remove the checkmark to disable this function.
- **Text encoding**: Adjusts the current text encoding.
- **Reset to default**: Clears all browser data and resets all settings to default.

Bandwidth management

- **Preload search results**: Allows the browser to preload high confidence search results in the background to help speed up searches.
- **Page preloading:** Allow browser to preload linked web pages in the background.
- **Load images**: Allows web page images to be loaded along with the other text components of a loaded website.

Labs

- **Quick controls**: allows you to open quick controls and hide the app and URL bars by swiping your thumb from the left or right edge of the screen.
- **Fullscreen**: allows you to access fullscreen mode and hide the status bar.

Wi-Fi

About Wi-Fi

Wi-Fi (short for “wireless fidelity”) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to

an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) or Secured (requiring knowledge of the router name and password).

Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .

Connect to a Wi-Fi Network

1. From the Home screen, tap ➔ **Settings** ➔ **Wi-Fi**. The network names and security settings (Open or Secured) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.
2. Tap a network.

Note: When you select an open network, you will be automatically connected to the network.

3. If the network is secured, enter the password.

Manually add a network connection

1. Tap **Add Wi-Fi network**.
2. Enter the **Network SSID**. This is the name of your Wireless Access Point.
3. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP.
4. If secured, you will also need to enter your WAP's password.
5. Tap **Save** to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Connect to a Wi-Fi network using a Wi-Fi Protected Setup (WPS)

Using WPS, you can connect to a secured network.

Connect with a WPS button

1. From the Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.

2. Tap → **WPS push button**.
3. Press the WPS button on your router within 2 minutes.

Connect with a WPS PIN

1. From the Home screen, tap → **Settings** → **Wi-Fi**.
2. Tap → **WPS PIN entry**.
3. Enter the indicated PIN on your Wi-Fi router. The setup can take two minutes to complete.

Turning Wi-Fi Off

1. From the Home screen, tap → **Settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi OFF OFF.

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

1. From the Home screen, tap → **Settings** → **Wi-Fi**.
2. Tap **Scan**.

   All available Wi-Fi networks are displayed.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when connected to another device using Wi-Fi Direct. For more information, refer to *"Wi-Fi Direct"* on page 155.

Wi-Fi Advanced Settings

The Advanced Wi-Fi menu allows you to set up many of your device's Wi-Fi services, including:

- Network notification when an open network is available
- Wi-Fi sleep policy
- Checking for Wi-Fi Internet service
- Automatically connecting to a Wi-Fi hotspot when detected
- Specifying your Wi-Fi frequency band
- Viewing your device's MAC and IP Address

To access the Advanced Wi-Fi menu:

1. From the Home screen, tap → **Settings** → **Wi-Fi**.
2. Press → **Advanced**.

For more information, refer to *"Advanced Wi-Fi Settings"* on page 109.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

1. From the Home screen, tap → **Settings** → **Wi-Fi** → **Wi-Fi Direct**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi Direct field, to turn Wi-Fi Direct ON .
3. From the Settings screen, tap **Wi-Fi Direct**.
4. Repeat **steps 1 - 4** on the other device you want to connect with. The steps on a different model of phone, may be different.
5. On your phone, tap **Scan**.

   The device scans for other Wi-Fi Direct devices.
6. Once the device you want to connect to is displayed, tap on it.
7. The other device has 2 minutes to tap **Accept** for the connection to be made.
8. Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the icon will display at the top of your screen.
9. To change your Device name, press → **Rename device**.
10. For additional information about Wi-Fi Direct, press → **Help**.

Sharing Information with Connected Device

To share videos, photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then tap the **Share, Share via,** or **Send via** option.
2. Tap the **Wi-Fi Direct** option.
3. Tap the connected device name.

4. The other device will receive a prompt to receive the information and must tap **Accept**.
5. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received.

Note: Files transferred to your device can be found in **My files** ➔ **sdcard0** in the **ShareViaWifi** folder. Depending on the other device model, the prompts and shared folder information may differ.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam. To activate NFC on your device, see *"NFC"* on page 116.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music Player, and more. For more information, refer to *"S Beam"* on page 116.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to various Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON . When active, appears within the Status area.

To make your phone visible to other devices:

- Making your device visible allows it to be detected by other devices for pairing and communication.

1. From the Home screen, tap ➔ **Settings**.
2. Verify your Bluetooth is ON .
3. Tap **Bluetooth**.
4. Under My device, tap the name of your device.

To turn Bluetooth off:

1. From the Home screen, tap → **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth OFF OFF.

Bluetooth Status Indicators

The following icon shows your Bluetooth connection status at a glance:

Displays when Bluetooth is active.

Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices
- Displaying your device's Bluetooth address

To access the Bluetooth Settings menu:

1. From the Home screen, tap → **Settings**.
2. Verify your Bluetooth is ON I.
3. Tap **Bluetooth**.

To change your Bluetooth name:

1. From the Bluetooth settings page, press → **Rename device**.
2. Enter a new name.
3. Tap **OK** to complete the rename process.

To change your device visibility setting:

1. From the Bluetooth settings page, press → **Visible time-out**.
2. Select a time that you would like your device to remain visible to other Bluetooth devices.

To show received files:

- From the Bluetooth settings page, press → **Received files**.

  A list of all files received from Bluetooth is displayed.

To scan for Bluetooth devices:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Scan** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.
2. Tap **Scan**. Your device will display a list of discovered in-range Bluetooth devices.
3. Tap a device from the list to initiate pairing.
4. Enter the passkey or PIN code, if needed, and tap **OK**.
5. The external device will then have to also accept the connection and enter your device's PIN code.

   Once successfully paired to an external device, the other device is listed as Paired within the Paired devices area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Deleting a paired device (unpair)

Deleting a device from your list removes its "connection record" and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap next to the previously paired device. This opens the connected device's menu options.
3. Tap **Unpair** to delete the paired device.

Sending Contacts via Bluetooth

Depending on your paired devices' settings and capabilities, you may be able to send pictures, contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled, and the recipient's device must be visible.

1. Verify your Bluetooth is active.
2. From the Home screen, tap ➔ **Contacts** .
3. Press ➔ **Import/Export** ➔ **Share namecard via**.
4. Tap each contact that you would like to send via Bluetooth. A green checkmark will appear next to each entry you select.
5. Tap **Done**.
6. Tap **Bluetooth**.
7. Select the paired device to send the contacts to.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

8. A Bluetooth share notification will appear in your notifications list.

PC Connections

You can connect your device to a PC in various USB connection modes using your PC data cable.

Storage: allows you to use the onboard storage capacity of the phone to store and upload files. This option allows your computer to detect the phone as a removable storage drive.

Kies air: this application allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network.

Note: Kies Air can be downloaded from Play Store.

Kies: allows you to manage music, movies and photos. You can also backup precious contacts and calendars, download apps and podcasts and automatically upgrade device firmware. Kies conveniently syncs your life across all your devices.

Note: To sync your device to your PC, it is highly recommended that you install Samsung Kies which is available at http://www.samsung.com/kies (for Windows/ Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the multifunction jack on your device to a PC using a PC data cable.
2. Your phone is automatically connected to the PC as a media device, allowing you to transfer media files that support MTP (Media Transfer Protocol). To transfer photos using camera software or files that do not support MTP, pull down the Notification Bar from the top of the screen, tap **Connected as a media device** and tap **Camera (PTP)**.

   Your phone will appear on your PC as a removable disk.
3. Copy files between your PC and your memory card.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam. For information on NFC and NFC related features, see *"NFC"* on page 116.

Section 10: Applications

This section contains a description of each application that is available in the Apps Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"Customizing Your Home Screen"* on page 32.
You can also add an application icon as a Primary Shortcut that will display on all Home screens. If you add an application as a primary shortcut, the application icon will not be displayed in the Apps menu. For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 33.

AllShare Play

This application wirelessly synchronizes your Samsung device with your TV, streams content, and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung's AllShare makes staying connected easy.

AllShare Play allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

AllShare Definitions:

AllShare	This uses traditional DLNA technology for sharing multimedia (photos, videos, or music) to your Samsung Smart TV and other DLNA devices.
AllShare Play	This new feature builds on the previous AllShare feature. It includes features such as Web storage integration and social networking integration. This is a Web service that requires using a Samsung account.

AllShare Play/Group Cast	A subset feature of AllShare Play, this allows you to mirror photos and multimedia presentations with other members of your current Wi-Fi group. Users must be on the same Wi-Fi and provide an access code to join the group.
AllShare Cast (with Hub accessory)	This feature functions with an external Wi-Fi AllShareCast Hub connected to a TV. It allows you to fully mirror what is currently displayed on your device to the external TV.

Important! You must connect both of your communicating devices to the same Wi-Fi network and log in to an active/registered Samsung account to use this application. For more information see *"Wi-Fi Settings"* on page 109 and see *"Creating a Samsung Account"* on page 6.

Important! The Samsung account manages your access information (username/password) to several applications, such as AllShare Play, ChatON, and Media Hub.

1. Confirm you have logged in to your Samsung account.
2. From the Home screen, tap ➔ **AllShare Play** . The AllShare Play screen is displayed.
3. If prompted, read the on-screen message about network charges and tap **OK** to continue and return to the main AllShare Play screen.
4. Tap **Start** and follow the on-screen prompts.

The application contains two separate streaming media options:

- **Registered storage**: allows you to receive and playback media stored externally (server, laptop, etc.) directly on your device by allowing you to add a Web storage service for streaming content.
- **Registered devices**: allows you to stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.

Press to access the following options:

- **Refresh:** refresh the Registered storage and Registered devices lists.
- **Register storage**: allows you to receive and playback media stored externally (server, laptop, etc.) directly on your device by allowing you to add a Web storage service for streaming content.
- **My account**: opens the Sync settings menu.
- **Settings**: configure Allshare Play parameters (see below).
- **FAQ**: learn more about Allshare Play.

Configuring AllShare Settings

The AllShare Play™ application must be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. From the Home screen, tap ➔ **AllShare Play** .
2. Press and then tap **Settings** and configure the following settings as desired:
   - **Registered Storage**: allows you to add a Web storage location. Without a storage service/location added, you will not be able to use AllShare Play.
   - **Registered Devices**: defaults to your phone. This indicates the source of the streaming images and videos. Use the main screen to add more external devices.
   - **Setting up web services**: allows you to set up external Web services by signing in to external sites such as Facebook, Twitter, YouTube, etc.
   - **Auto Upload photos from mobile**: allows you to setup automatic upload of images from your device to those storage locations specified within the Web storage list.
   - **Video quality settings**: allows you to setup the video quality for streamed video content.
   - **Lock AllShare Play**: allows you to restrict access to AllShare Play by requiring a user enter the currently active and associated Samsung account password. Tap **Locking AllShare Play** to activate/deactivate the feature.
   - **Language**: allows you select a display language.
   - **About**: displays application information.
   - **Contact Us**: allows you to contact the AllShare team via a new email from an available email account.

Setting Up Web Storage

SugarSync is a Web storage service that allows you to use up to 5GB of storage space to store your files and share them on the “Cloud”.

Note: If you are using another Web storage service, log into that service first before using AllShare Play.

1. From the Home screen, tap → **AllShare Play**.
2. From the main screen, select (**Add storage**) and then tap on the media that you would like to share.
3. If this is your first time to use the service, set up a new account by tapping **Sign up** → **SugarSync Sign Up**.

Note: If you already have a current Sugar Sync account, tap **Sign in**.

4. Enter in your Email address and your password.
5. Agree to the terms of service and tap **Sign up** or **Go** on your on-screen keyboard.
6. You can choose to download the SugerSync app or tap **Skip** to continue.
7. Once the process is successfully completed, the Web storage icon or name appears in the Web storage area of the main screen.

Sharing Media via AllShare Play to a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch AllShare on the target device (such as an Internet TV, Samsung Tablet, etc.).
2. From the Home screen, tap → **AllShare Play**.
3. Tap your device name from the **Devices** list.
4. Tap an available category tab (Pictures, Music, Movies, Files, or Info) and select a file.
   - Touch and hold to select multiple files.
   - A file with N in the upper-left indicates it is stored remotely on a web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.
5. Tap an available on-screen file, image, or video to place a green check mark alongside it.
6. Tap (**Stream to connected devices**) to begin streaming the selected files.

7. On a target device (e.g., Internet TV) select the on-screen Allow button to continue.

Note: At this stage your device is requesting access to share media with the external source.

8. Confirm (**AllShare Controller enabled**) appears in the Notification area at the top of the device to indicate you are using your device as the media source.

AllShare Play Screen Sharing via Group Cast

Important! Verify all of your recipients are connected to the same Wi-Fi.

1. From the Home screen, tap ➔ **Gallery** .
2. Tap ➔ **Group Cast**.
3. If prompted, read the on-screen notification and tap **OK** to continue and return to the main AllShare Play screen.
4. Enter a security PIN and tap **Done**. This process makes sure only desired recipients can view your shared image.
5. Re-enter you PIN and tap **Done**. The device then waits for other connected recipients to accept the connection and enter the PIN on their screens.

   – or –

   Tap **Start Group Cast anyway** to continue the process while your users connect.

You can now interact and draw with the on-screen image, users will instantaneously see the same gestures and also be able to interact.

Note: The newly altered image (with markups and comments) can not be saved, but you can take a screen shot of the current image and save it to your Clipboard. For more information, refer to *"Using Gestures"* on page 28.

Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions: addition, subtraction, multiplication, and division. You can also use it as a scientific calculator.

1. From the Home screen, tap ➔ **Calculator** .

2. Enter the first number using the on-screen numeric keys.
3. Enter the operation for your calculation by tapping the corresponding on-screen arithmetic function key.
4. Enter the second number.
5. To view the result, tap equals (**=**).
6. To view calculator history, tap located at the top of the calculator buttons. A history of your past calculations is displayed. Tap again to display the calculator keypad.
7. To clear the calculator history, press ➔ **Clear history**.
8. To change the text size, press ➔ **Text size**. Tap Small, Medium, or Large.
9. To use the scientific functions, turn the phone to landscape orientation.

Camera

Use your 8.0 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos.

For more information, refer to *"Camera"* on page 86.

ChatON

With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can chat in groups, while a Web client will allow the easy sharing of content and conversations between your phone and PC. For more information, refer to *"ChatON"* on page 106.

Chrome

The Google Chrome app allows you to use the Google Chrome web browser on your phone.

From the Home screen, tap ➔ **Chrome** .

2. Read the Google Chrome Terms of Service and tap **Accept and Continue**.

3. If you have an existing Chrome account, tap **Sign in** to bring your open tabs, bookmarks, and omnibox data from your computer to your phone, otherwise tap **No thanks**.

4. Follow the on-screen instructions to use Google Chrome.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, and use a timer.

Alarm

This feature allows you to set an alarm to ring at a specific time.

1. From the Home screen, tap → **Clock** → **Alarm** → **Create alarm** . The following options display:
   - **Time**: tap (**Up**) or (**Down**) to set the new time for the alarm to sound. Tap AM or PM.
   - **Alarm repeat**: use this option to set the repeating status for the alarm by tapping the days that you want the alarm to sound. Tap the Repeat weekly checkbox to have the alarm repeat weekly.
   - **Alarm type**: sets the way in which the alarm sounds when activated (Melody, Vibration, Vibration and melody, or Briefing).
   - **More**
     - **Alarm volume**: drag the slider to adjust the alarm's volume.
     - **Alarm tone**: sets the sound file which is played when the alarm is activated.
     - **Location alarm**: the alarm will only be activated when you are at a specific location.
     - **Snooze**: use this option to set an Interval (3, 5, 10, 15, or 30 Minutes) and Repeat (1, 2, 3, 5, or 10 times). Tap the ON/OFF slider to activate.
     - **Smart alarm**: phone plays a natural sound and displays the alarm screen for preset time before the set alarm goes off. Set the Interval and the Tone then tap **Save** to activate.Tap the ON/OFF slider to activate.
     - **Name**: allows you to use a specific name for the alarm. The name will appear on the display when the alarm activates.
2. Tap **Save** to store the alarm details.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and sweep the icon to the right.

Setting the Snooze Feature

- To activate the Snooze feature when an alarm sounds, touch and sweep the icon to the left. Snooze must first be set in the alarm settings (see above).

Deleting Alarms

To delete an alarm, follow these steps:

1. From the Home screen, tap → **Clock** → **Alarm** → → **Delete**.

2. Tap the alarm or alarms you wish to delete. A green checkmark will appear next to each selection. Tap **Select all** to delete all alarms.
3. Tap **Done**.

World Clock

World Clock allows you to view the time in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

1. From the Home screen, tap ➔ **Clock** ➔ **World clock**. The clock for your time zone is displayed.
2. Tap **Add city** to add another city to the World Clock.
3. Scroll through the list of cities to find the city you want to add, or tap the Search bar and use the keypad to enter a city to search for.
4. Tap the city you want to add. The clock for that city will display.
5. To set Daylight Savings time, press and hold a city, then tap **DST settings**.
6. Select **Automatic**, **Off**, or **1 hour**.
7. If Daylight Savings Time is selected, a sun symbol appears on the World Clock listing.

Deleting a World Clock Entry

1. From the Home screen, tap ➔ **Clock** ➔ **World clock** ➔ ➔ **Delete**.
2. Tap the city clocks you wish to delete.
3. Tap **Done**.

Stopwatch

You can use this option to measure intervals of time.

1. From the Home screen, tap ➔ **Clock** ➔ **Stopwatch**.
2. Tap **Start** to start the stopwatch.
3. Tap **Lap** to capture a lap time. You can save multiple lap times.
4. Tap **Stop** to stop the stopwatch.
5. Tap **Restart** to continue or tap **Reset** to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Home screen, tap ➔ **Clock** ➔ **Timer**.

2. The **Minutes** field is highlighted and set to 1 minute. Use the keypad to set the number of minutes you want.
3. If required, tap the **Hours** field to set hours and the **Seconds** field to set seconds.
4. Tap **Start** to begin the timer and tap **Stop** to pause the timer.
5. After stopping, tap **Restart** to continue or tap **Reset** to set the timer back to the original setting.

Desk clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

1. From the Home screen, tap → **Clock** → **Desk clock**.

   The default Desk clock is displayed.
2. Tap to display the Desk clock in full-screen mode.
3. To make changes, tap → **Settings**.
4. The following options are displayed while in full-screen mode:
   - **Hide status bar**: when this is checked, the status bar is hidden from view.
   - **Wallpaper**: tap to select Desk clock wallpaper from Default, Gallery, or Same as home screen.
   - **Calendar**: when this is checked the day and date are displayed. Tap to uncheck.
   - **AccuWeather**: when this is checked, the location, temperature, and weather condition are displayed. Tap to uncheck.
   - **Brightness**: sets your Desk clock brightness by dragging the slider bar to the desired level.
   - **Dock**: allows you to set your Dock settings (Dock sound, Audio output mode, and Audio output).

Contacts

You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

For more information, refer to *"Contacts and Your Address Book"* on page 66.

Downloads

The Downloads application allows you to manage all of your downloads from the Play Store and the Browser.

1. From the Home screen, tap → **Downloads**.

2. Tap the **Internet downloads** tab to see all of the downloads you have made from the Browser.
3. Tap the **Other downloads** tab to see all other downloads.
4. Tap **Sort by size** to see your downloads sorted in size order.
5. Tap **Sort by date** to see your downloads sorted in time order.

Dropbox

Dropbox is a free service that lets you bring all your photos, documents, and videos anywhere. Any file you save to your Dropbox will automatically save to all your computers, phones and even the Dropbox website.

1. From the Home screen, tap → **Dropbox** .
2. Follow the onscreen instructions to sign up for your Dropbox account.

Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 102.

Flipboard

Flipboard collects the content of social media and other websites and presents it in magazine format that lets you "flip" through the content.

1. From the Home screen, tap → **Flipboard** .
2. Tap **Get started**, select some on-screen categories and tap **Done** to create a new profile.

   – or –

   Tap **Sign In** to log into your previously created profile.
3. Follow the on-screen instructions.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 82.

Game Hub

Access social and premium games. Join Game Hub to enjoy free games with your friends.

1. From the Home screen, tap → **Game Hub** .

   A Disclaimer screen displays.

2. Read the Disclaimer and touch **Confirm**.
3. Tap to display the following options:
   - **Uninstall**: Touch this option to uninstall a previously installed game.
   - **Legal notices**: Displays Game Hub legal information.
4. Touch a game and follow the on-screen instructions.

Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 104.

Google

The Google Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, refer to *"Google Search Bar"* on page 26.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google+"* on page 105.

Group Cast

Group Cast is an extension of the AllShare Play application that allows many people to view content at the same time and interact with the content. You can mark the content using the touchscreen on your device. Everyone sees the markup as you make it. You can share documents and photos or listen to music using Group Cast.

Start a Group Cast session

1. Connect all the devices to the same Wi-Fi network.
2. Navigate to the file you want to use, and touch the Share via icon, or ➔ **Share via**.
3. Touch **Group Cast** from the list of options.
4. The first time you open the application, you will be presented with a short tutorial. Follow the on-screen prompts to continue.
5. You will see a Notification window with a message about using Group Cast on an unsecured Wi-Fi access point. Review this information, then touch **OK**.

6. To begin sharing, your device will prompt you to create a PIN. Anyone wanting to join the Group Cast will need to enter this PIN. Enter your desired PIN and touch **Done**.
7. The sharing session starts.

Join a Group Cast Session

1. Touch **Apps** ➔ **AllShare Play**.
2. Touch **Menu** ➔ **Join Group Cast**.
   A list of sessions appears.
3. Touch the desired session to join.
4. Enter the PIN code and touch **Done**.

Help

Learn more about using your phone and the included applications.

1. From the Home screen, tap ➔ **Help** .
2. Tap an icon to learn more about the subject.
3. To view product videos, tap **Open link**.
4. To configure help tip pop-ups, tap Show help tip pop-ups and select the tips you want to view.

Internet

Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet"* on page 146.

Local

Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and other businesses. You can also add your own locations.

1. From the Home screen, tap ➔ **Local** .
2. Tap on one of the business categories to search for a particular business.
   All of the business categories that are close to you will be displayed.
3. Tap on a business that you want to see the details for.
4. The business details such as address, phone, website, and location are displayed. You can also see reviews from around the web and from Google users.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

Important! Before using Google Maps you must have at least an active data (3G) connection. The Maps application does not cover every country or city.

Enabling a Location Source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

1. From the Home screen, tap → **Settings** → **Location services**.
2. Tap the **Use GPS satellites** field. A green checkmark will display next to the field.

Note: Selecting **Use GPS satellites** allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Using Maps

1. From the Home screen, tap → **Maps** .
   A map will display with your location in the very center.
2. The following options are available on the screen:
   - **Search** : allows you to search for a place of interest.
   - **Directions** : displays navigation directions to a location from a starting point.
   - **Places** : allows you to that use Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, etc.

- **Layers** : Layers are additional items that you can have displayed on your map. They include Traffic, Satellite, Terrain, Transit Lines, Latitude, My Maps, Bicycling, and Wikipedia.

3. Press to display the following options:
   - **Clear Map**: allows you to remove all markings and layers from the map.
   - **Make available offline:** lets you store up to six large metro areas on your device for access when you don't have a connection.
   - **Settings**: the following Map options are available:
     - **Display**: allows you to display the Zoom Buttons and Scale Bar on the screen.
     - **Offline and cache**: allows you to set options to pre-fetch map tiles when not using WiFi and to clear the cache that holds the map tiles.
     - **Location settings**: allows you to manage the settings for your Background location reporting, Location history, Latitude location sharing, and Check-ins.
     - **Labs**: this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.
     - **What's New**: allows you to see the latest changes in Play Store and update your app.
     - **About**: displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.
     - **Feedback**: allows you to send feedback to Google.
     - **Terms, Privacy & Notices**: displays the Terms and Conditions, Privacy Policy, o r Legal Notices information. Select the desired information from the pop-up menu.
   - **Help**: displays the Google Mobile Help web page where you can receive help on Google Maps.

Messaging

You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 95.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

Music Player

Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 78.

My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other data in one convenient location.

1. From the Home screen, tap ➔ **My files** .
2. Tap **All files** to view your phone's storage locations.
3. Tap **sdcard0** to see the contents of your internal SD card. The following folders may display:
   - **Alarms**: this folder contains any alarm files you may have.
   - **Android**: the Android folder stores files that are used in Android applications.
   - **Application**: this folder contains app info for S Memo.
   - **Bluetooth**: this folder stores files sent via a Bluetooth device.
   - **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM** ➔ **Photo** to view picture files or **DCIM** ➔ **Video** to view video files. For more information, refer to *"Viewing Pictures"* on page 82. Also, see *"Viewing Videos"* on page 83.
   - **Download**: this folder contains downloads you have made.
   - **Movies**: this folder contains your Video and Movie files.
   - **Music**: this folder contains your Music files.
   - **Notifications**: this folder contains all of the notifications you have received.
   - **Pictures**: this folder contains your photos.
   - **Podcasts**: this folder contains all of your podcasts.
   - **Ringtones**: this folder contains any ringtones you have purchased.
4. If you have an external SD card inserted, tap **extSdCard** to see the contents of your external SD card (memory card).

Note: When you open My Files, you can also tap one of the following shortcuts to directly access their storage location: **Images**, **Videos**, **Music**, **Documents**.

Note: Different folders may appear depending on how your phone is configured.

Navigation

Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.

Note: For voice-guided navigation, you need to install text-to-speech support from the Play Store.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Launching Navigation

1. From the Home screen, tap → **Navigation** .
2. Read the Navigation information page and tap **Accept** to continue or **Don't accept** to exit.
3. Select one of the following options:
   - **Speak destination**: allows you to speak your destination.
   - **Type destination**: allows you to use the keypad to enter your destination.
   - **Go home**: takes you to your home address. The first time you are prompted to enter it.
   - **Map**: takes you to the map location of your present location using GPS.
   - **Recent Destinations**: allows you to access information on previous destinations you have used. This option only appears after you have entered one or more destinations.

Navigation Options

- The map displays with your location indicated by a blue arrow. Press for the following options:
  - **Set destination**: displays the Choose Destination screen where you can speak or type your destination.
  - **Search**: allows you to speak or type a destination, place, or service to search for.
  - **Layers**: are additional items that you can have displayed on your map. They include:

– **Traffic view**: displays real-time traffic conditions so you can plan the fastest route.
– **Satellite**: allows you to see you the map as a satellite image.
– **Parking**: allows you to see registered parking areas.
– **Gas stations**: allows you to see registered gas stations.
– **ATMs & banks**: allows you to see registered ATMs and Banks.
– **Restaurants**: allows you to see registered restaurants.

- **Settings**: includes the following options:
  – **Screen dimming**: set this option to dim the screen between instructions in order to conserve battery power.
  – **Terms, privacy & notices**: displays Terms and Conditions for Google mobile products, the Google Privacy Policy, and Google legal notices.
- **Exit navigation**: exits the Navigation application and returns you to the Application Menu screen.
- **Help**: takes you to the Google Mobile Help web page.

Obtaining Driving Directions

Your phone's built-in GPS hardware allows you to get real-time driving directions to selected locations or establishments based on your current location.

Using a Physical Address

1. From the Home screen, tap → **Navigation** .
2. Tap either **Speak Destination** or **Type Destination**.
3. If typing in the address, enter the address, City, and State using the keypad. As you type, possible addresses will be displayed. Tap on one when you see the address you want.

   The route will be displayed.
4. If speaking the address, the Voice guidance screen is displayed.
5. As you drive the route display will be updated and you will receive voice-guided navigation directions.

Paper Artist

Paper Artist lets you capture or import a photo, draw on it using a pencil or brush, apply various artistic effects and frames, and save it or share it with others.

1. From the Home screen, tap → **Paper Artist** .
2. Follow the on-screen instructions.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favourites. For more information, refer to *"Call Functions"* on page 43.

Play Books

With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

1. From the Home screen, tap → **Play Books** .
2. Log on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 7.
3. Follow the on-screen instructions for using the Play Books application.

Play Movies

With Google Play Movies, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time. For more information, refer to *"Play Movies"* on page 82.

Play Store

Play Store provides access to downloadable applications and games to install on your phone. Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store you must have a Google Account. For more information, refer to *"Using Gmail"* on page 104.

1. From the main Home screen, tap **Play Store** .
2. Sign in to your Google account.
3. The first time you sign in, the Play Store Terms of Service will be displayed. Tap **Accept** to continue or **Decline** to exit.
4. Tap **Apps**, **Movies** or **Books** to download or purchase applications or content. You can also download updates to existing applications.
5. Follow on the on-screen instructions.

Polaris Office 4.0

Polaris Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. From the Home screen, tap ➔ (**Polaris Office**).
2. Read the registration information and enter your Name and Email information (if desired).
3. Tap **Skip** to ignore this registration or **Register** to complete the process.
4. Read the End User License Agreement, then tap **Accept** if you agree with the terms of use.
5. On its initial launch, the following options are available:
   - **+ (New)**: creates a new office document.
   - **Recent documents**: provides a list of recently opened documents at the center of the screen.
   - **Browser**: opens document storage locations on this device.
   - **Clouds**: add a cloud service account and access cloud storage services.
   - **Form type:** view local documents by type.
   - **Favorites**: view a list of files marked as “favorite” documents. You can add a file to your Favorites by tapping the star beside the file name.

For more information on using Polaris Office, press and select **Help**.

S Note

With S Note, you can create notes using productivity tools that turn handwriting into typed text and correct drawn shapes, lines, and formulas to make them perfect. You can also add multimedia content to notes.

S Note provides various templates to help you create notes easily.

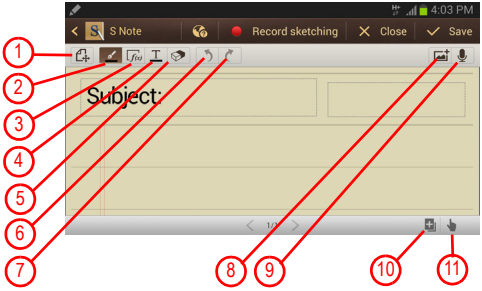
- **Note/Idea note**: You can create a simple note from an empty page.
- **Meeting note**: You can create a record of meetings, conferences, or lectures.
- **Magazine**: You can create a multimedia note by inserting multimedia files.
- **Diary**: You can create a photo diary.
- **Recipe**: You can create your own recipes.

- **Travel**: You can create travel essays.
- **Memo**: You can create memos.
- **Birthday**: Create a birthday message.

Create a note

1. From the Home screen, tap → **S Note** .
2. Tap and tap a template.

Enter text or draw a sketch.

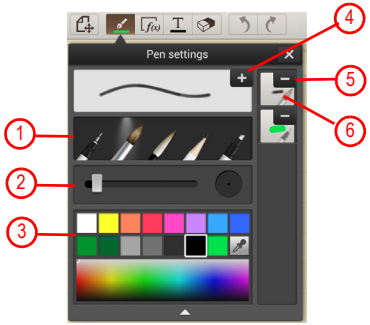


1. Switch between View and Edit modes.
2. Draw a sketch; change the pen settings (double-tap).
3. Use productivity tools.
4. Enter text with the keyboard; change the text settings (double-tap).
5. Erase your text or sketch; change the eraser thickness or clear your input (double-tap).
6. Undo your last action.
7. Redo your last action.
8. Add a multimedia file, such as text or a photo.
9. Add a sound clip by recording voices.
10. Add a page.
11. ???

- To zoom in, place two fingers on the screen and spread them apart. To zoom out, move your fingers closer together. When zoomed in, drag with two fingers to scroll through the screen.

Change the pen attributes

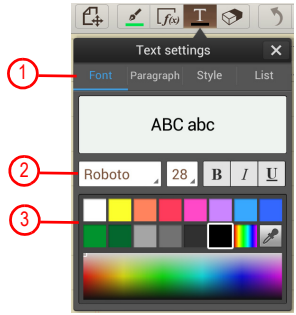
To change the pen type, line thickness, or pen colour while creating a note, double-tap .



1. Change the pen type.
2. Change the line thickness.
3. Change the pen colour.
4. Save the current settings as a pen profile.
5. Delete preset pen profile.
6. Open preset pen profile.

Change the text attributes

To change the text attributes, double-tap .



1. Select the Font, Paragraph, Style, or List attributes.
2. View or change the current attributes.
3. Change the text colour.

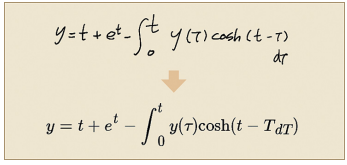
Use productivity tools

To use the productivity tools while creating a note, double-tap $f(x)$ and select a tool.

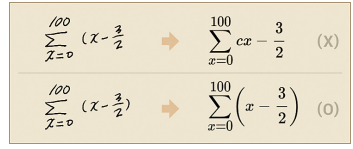
- **Formula match**: Convert a handwritten formula to a typeset formula.
- **Shape match**: Convert shapes you have drawn.
- **Handwriting-to-text**: Convert a handwritten note

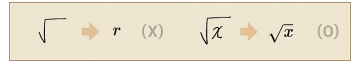
Tutorial for handwritten formulas and figures

Write a formula on a single line. If you write a long formula or a formula on more than one line, the device will convert the formula incorrectly.



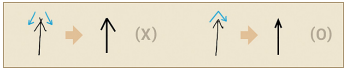
Unclosed parenthesis or missing figure in the square root will temporarily result in incorrect formula conversion. The formula will be complete when you finish writing the formula.





When you draw an arrow, draw the body of the arrow first.

When you draw the head of an arrow, draw it in one stroke.



View notes

1. From the Home screen, tap → **S Note**.
2. Select to search for a note (if necessary).
3. Select a note.

While viewing the note, use the following options:

- To zoom in, place two fingers on the screen and spread them apart. To zoom out, move your fingers closer together.
- To move to other pages of the note, select the arrow at the bottom of the screen, scroll left or right, and then select a page.
- To switch to Edit mode, select or tap the screen.
- To send the note to others, press and select **Share via**.
- To export the note, press and select **Export**. Your note will be exported as an image file or a PDF file to My Files → storage → sdcard0 → S Note Export.
- To save the note as an event, press and select **Create event**. This feature may be unavailable depending on the selected template.
- To add a shortcut of the note to the home screen, press and select **Set as shortcut**.
- To print a note using a Wi-Fi or USB connection, press and select **Print**. Your device is only compatible with some Samsung printers.

Edit notes

1. From the Home screen, tap → **S Note**.
2. Select a note.
   - To add or change the note cover, tap and hold a note and select Edit cover.
3. Select or tap the screen to switch to the Edit mode.
4. Edit the note using the icons on the screen.
   - To change the background image of the note, press and select **Change background**.
   - To delete the note, press and select **Delete**.

- To add a tag, press and select **Add tag**.

5. Select **Save**.

Synchronize notes

You can synchronize your notes with Google Docs or Evernote.

1. From the Home screen, tap → **S Note** .
2. Press and select **Sync** → **Google Docs** or **Evernote**.
3. Select notes to sync → **Sync**.

   To synchronize all notes, select **Sync all**.
4. Enter your email address and password, then select **Login**.
5. Select **Sync now**.

Manage notes with folders

Create a folder

1. From the Home screen, tap → **S Note** .
2. Press and select **Create folder**.
3. Enter a name and select OK.
4. Select the new folder.
   - To create a note, Tap and tap a template.
   - To create sub-folders, Press and select **Create folder**

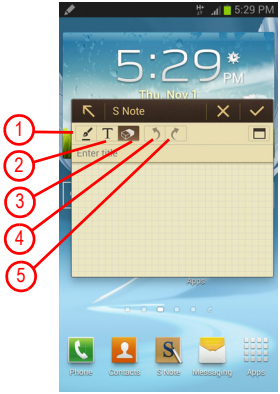
Copy or move notes

1. From the Home screen, tap → **S Note** .
2. Select a folder (if necessary).
3. Press and select **Copy** or **Move**.
4. Select notes → **Copy** or **Move**.
5. Move to a new location.
6. Select **Copy here** or **Move here**.

S Note Lite

From any screen, you can create a quick note of text and sketches using the pop-up version of S Note.

1. While pressing the S Pen button, double-tap the screen to open the quick note pad.
2. Enter text or draw a sketch.
3. When you are finished, select .



1. Draw a sketch; change the pen settings, such as the pen type, line thickness, or pen colour (double-tap).
2. Enter text with the keyboard.
3. Erase your text or sketch; change the eraser thickness or clear your input (double-tap).
4. Undo your last action.
5. Redo your last action.

S Planner

With S Planner, you can consult a calendar by day, week, or month; create events; and set alarms to act as reminders.

To access the Calendar:

1. From the Home screen, tap → **S Planner**.
2. Tap (**Show More**) to display these tabs:
   - **Year**: displays the Year view.
   - **Month**: displays the Month view.
   - **Week**: displays the Week view.
   - **Day**: displays the Day view.
   - **List**: displays the List view.
   - **Task**: allows you to search for tasks.
3. Tap (**Create event**) to create a new event.
4. Tap **Today** to display the current date (indicated by a blue box).
5. Tap **Calendars** to select the calendar options that you want displayed.
6. Press and select one of the following options:
   - **Go to**: displays a specific date.

- **Delete**: allows you to delete All events, All events before today, or an individual event.
- **Search**: allows you to search within your current events.
- **Sync**: allows you to synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
- **Settings**: displays a list of configurable settings.

Calendar Settings

1. From any Calendar view, press ➔ **Settings**.
2. Tap Month view styles and select a style: **Calendar view + List** or **Calendar view + Pop-up**.
3. Tap **Week view** and select a type: **Timeline** or **Analogue**.
4. Tap **First day of week** and select either **Locale default, Saturday, Sunday** or **Monday**.
5. Tap **Hide declined events** to activate this option. A check mark indicates selection.
6. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from within the **Select time zone** field.
7. Tap **Show week number** to display the week numbers along the side of the week entries.
8. Tap **Calendars** and select the type of general synchronization settings you want. A check mark indicates selection.
9. **Handwriting settings**: Tap **First day of week** and select either **Locale default**, **Saturday**, **Sunday** or **Monday**. Tap **Show week number** to display the week numbers along the side of the week entries.
10. Tap **Set alerts and notifications** to adjust the event notification method. Choose from: **Alert**, **Status bar notification**, and **Off**.
11. Tap **Select ringtone** to assign a ringtone to a calendar event notification.
12. Tap **Vibration** to set the Event notification tone to vibrate.
13. Tap **Default reminder time** to assign a default time frame for event reminders.
14. Tap **Notifications when screen off** to display notifications on the full screen while it is turned off.

15. Tap **Quick responses** to edit default quick responses for emailing guests.
16. Tap **Swipe with two fingers** to change the way events are displayed when swiped.

S Suggest

This application provides on-screen recommendations for applications that are specifically supported and made for use on your device.

Note: Access to this feature requires that you already be logged in to your Samsung account application. For more information, refer to *"Creating a Samsung Account"* on page 6.

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1. From the Home screen, tap → **S Suggest**.
2. Read the terms and conditions.
3. Place a check mark in the **Agree** field then tap **Agree**.
4. Select an application from one of the available categories (Picks, Categories, Games, Friends, and Info.
5. Follow the on-screen download and installation instructions.

S Voice

With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, sending a text message, playing music, etc.

1. From the Home screen, tap → **S Voice**.
2. Read the Samsung Disclaimer then tap **Confirm** to continue.
3. Read the S Voice Terms of Service then tap **Agree** to continue.
4. Read the information on the **About S Voice** screen, then tap **Next**.
5. Read the information on the **Say what you want** screen, then tap **Next**.
6. Read the information on the **Wake up S Voice** screen, then tap **Next**.
7. Read the information on the **Handwriting** screen, then tap **Next**.
8. Read the information on the **Edit what you said** screen, then tap **Next**.
9.

10. Read the information on the **Help** screen, then tap **Finish**.
11. At the S Voice screen, say “Hi Galaxy” to wake up S voice.
12. Speak into the phone and follow the on-screen instructions.

Samsung Apps

Samsung Apps is a marketplace designed to provide a variety of mobile applications especially developed and carefully selected for Samsung Mobile Phones. To use Samsung Apps, your phone must be connected to the internet using a cellular connection or Wi-Fi.

1. From the Home screen, tap → **Samsung Apps** .
2. Search for and download applications as required.

Note: This feature might not be available in your region. For details, visit www.samsungapps.com.

All Samsung Apps applications are made available to you subject to the Samsung Apps Terms and Conditions (http://www.samsungapps.com/common/term.as) and Samsung Account Terms and Conditions (http://www.samsungapps.com/common/terms4account.as). Please read through these and ensure you understand the basis on which these applications are provided to you. Samsung may collect personal information from you in order to deliver the applications to your device. This is done in accordance with the Samsung Apps privacy policy (http://www.samsungapps.com/common/privacy.as).
In order to receive any of the applications, you must select the “Accept” button indicating that you agree to the terms and conditions and the use of your personal data in accordance with the privacy policy.

Note: You might incur additional charges when accessing the internet or downloading applications.

Note: Available applications, widgets, and updates might differ depending on your region.

Settings

This application accesses the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 109.

Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 105.

Video Hub

Samsung Video Hub provides a platform for downloading and viewing of movies, television shows and other entertainment content.

Note: Video Hub service requires a Samsung account and depends on service availability.

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1. From the Home screen, tap → **Video Hub** .
2. Follow the online instructions to rent or buy media.

Video Player

The Video Player application plays video files stored on your memory card. For more information, refer to *"Video Player"* on page 81.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using AllShare Play, Messaging, Gmail, or via Bluetooth. Recording time will vary based on the available memory within the phone.

1. From the Home screen, tap → **Voice Recorder** .
2. To start recording, tap **Record** and speak into the microphone.
3. During the recording process you can either tap **Stop** to stop and save the recording or **Pause** to temporarily halt the recording. After pausing, tap **Record** to resume recording. Once the audio recording has stopped, the message is automatically saved. Tap **Cancel** to cancel the recording without saving.
4. Tap **List** to display a list of all your voice recordings. Tap a voice recording to play it.

5. Press to display the following options:
   - **Share via**: allows you to share your recording using Bluetooth, Dropbox, Email, Gmail, Group Cast, Messaging, or Wi-Fi Direct.
   - **Delete**: allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.
   - **Rename**: allows you to rename your recordings.
   - **Settings**: the following settings are available:
     - **Storage**: allows you to choose where your recordings will be saved. Select between Phone or memory card.
     - **Recording quality**: allows you to set the recording quality to High or Normal.
     - **Limit for MMS**: allows you to select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.
     - **Contextual filename**: uses GPS tag to add location information to the filename. Only available when GPS tag is enabled while connected to a network.
     - **Default name**: allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, etc.

Note: You can also access the Voice Recorder settings by tapping .

Voice Search

Google Voice Search is a voice-activated application that allows you to speak search terms that the phone uses to perform a Google search.

1. From the Home screen, tap ➔ **Voice Search** .
2. When the Google Voice Search screen displays, speak the word or words that you would like to search for on the internet.

   If the timer expires and the mic icon changes from red to gray, tap the mic icon and speak the word or words that you would like to search for on the internet.
3. Results will display on the screen. Tap a link to view the information.

   – or –

   The **No matches found** screen will display if Voice Search was not able to find a match. Tap **Try again** or **Cancel**.

YouTube

YouTube™ is a free online video streaming service. You can use it to view and share videos.

Note: YouTube is a data-intensive feature. It is recommended that you use WI-Fi connection or a large data plan to avoid additional data charges.

1. From the Home screen, tap → **YouTube**.
2. Tap the search field to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
3. To view a video, tap an available preview thumbnail or tap the title link.
4. If you prefer high quality video, as the video starts to play, tap **HQ**.

To share videos:

1. From the Home screen, tap → **YouTube**.
2. Select a video.
3. Select and then select an option.

To upload a video:

1. From the Home screen, tap → **YouTube**.
2. Swipe right (if necessary) and under ACCOUNT tap your account name. Tap and select a video.
3. Enter the details of the upload and select **Upload**.

Section 11: Health and Safety

Getting the Most Out of Your Reception

Keeping Tabs on Signal Strength

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. If you're inside a building, being near a window may give you better reception.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

There are several simple guidelines for operating your phone properly and maintaining safe, satisfactory service.

- Speak directly into the mouthpiece.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it's inoperable, return it to a dealer store or call Customer Support for service.

Note: For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

Maintaining Safe Use of and Access to Your Phone

Failure to follow the instructions outlined may lead to serious personal injury and possible property damage.

Using Your Phone While Driving

Talking on your phone while driving (or operating the phone without a hands-free device) is prohibited in some jurisdictions. Laws vary as to specific restrictions. Remember that safety always comes first.

When using your phone in the car:

- Get to know your phone and its features, such as speed dial and re-dial.
- When available, use a hands-free device.
- Position your phone within easy reach.
- Let the person you are speaking to know you are driving. If necessary, suspend the call in heavy traffic or hazardous weather conditions.
- Do not take notes or look up phone numbers while driving.
- Dial sensibly and assess the traffic. If possible, place calls when stationary or before pulling into traffic.
- Do not engage in stressful or emotional conversations that may divert your attention from the road.
- Dial 911 to report serious emergencies. It's free from your wireless phone.
- Use your phone to help others in emergencies.
- Call roadside assistance or a special non-emergency wireless number when necessary.

Note: Always turn off the phone in health care facilities and request permission before using the phone near medical equipment.

Turning Off Your Phone Before Flying

Turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, Transport Canada regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, regulations prohibit using your phone while the plane is in the air.

Turning Off Your Phone in Dangerous Areas

To avoid interfering with blasting operations, turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off. Construction crews often use remote-control RF devices to set off explosives.

Turn off your phone when you are in an area with a potentially explosive atmosphere. Although it is rare, your phone or its accessories could generate sparks. Sparks

could cause an explosion or a fire resulting in bodily injury or even death. These areas are often, but not always, clearly marked.

These areas include:

- Fueling areas such as gas stations.
- Below deck on boats.
- Fuel or chemical transfer or storage facilities.
- Areas where the air contains chemicals or particles such as grain, dust, or metal powders.
- Any other area where you would normally be advised to turn off your vehicle's engine.

Note: Never transport or store flammable gas, liquid, or explosives in the compartment of your vehicle that contains your phone or its accessories.

Restricting Children's Access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone, dial 911 by mistake, or make calls that increase your phone bill.

Warning Regarding Display

The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

Caring for the Battery

Protecting Your Battery

The guidelines listed below help you get the most out of your battery's performance.

- Use only Samsung approved batteries and desktop chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- In order to avoid damage, charge the battery only in temperatures that range from 32º F to 113º F (0º C to 45º C).
- Don't use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- Never dispose of the battery by incineration.
- Keep the metal contacts on top of the battery clean.
- Don't attempt to disassemble or short-circuit the battery.
- The battery may need recharging if it has not been used for a long period of time.

- It's best to replace the battery when it no longer provides acceptable performance. When used correctly, the battery can be recharged hundreds of times before it needs replacing.
- Don't store the battery in high temperature areas for long periods of time. It's best to follow these storage rules:
  - Less than one month:
    -4º F to 140º F (-20º C to 60º C)
  - More than one month:
    -4º F to 113º F (-20º C to 45º C)

Disposal of Lithium Ion (LiIon) Batteries

For safe disposal options of your LiIon batteries, contact your nearest service center.

Special Note: Be sure to dispose of your battery properly. In some areas, the disposal of batteries in household or business trash may be prohibited.

Note: For safety, do not handle a damaged or leaking LiIon battery.

Acknowledging Special Precautions and Industry Canada Notice

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular

installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient/relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Warning! At very high volumes, prolonged listening to a headset can damage your hearing.

Specific Absorption Rates (SAR) for Wireless Phones

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be substantially less than the level reported to Industry Canada. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

The highest reported SAR values for the I317M are:

Head: 0.21 W/kg

Body: 1.01 W/kg

This phone has been tested and meets RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device 10mm from the body.

Owner's Record

The model number, regulatory number, and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: SGH-I317M

Serial No.:

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